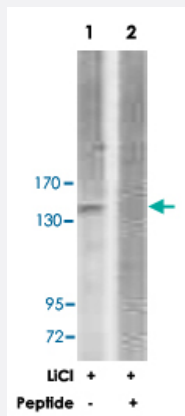


# ERBB3 polyclonal antibody

Catalog # PAB18366      Size 100 ug

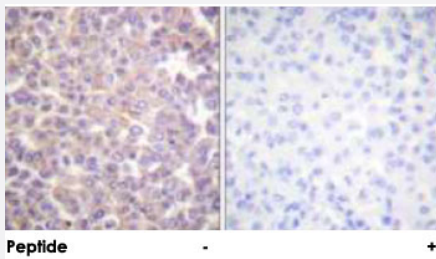
## Applications



### Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with LiCl (0.01 U/mL, 15 mins), using ERBB3 polyclonal antibody (Cat # PAB18366).

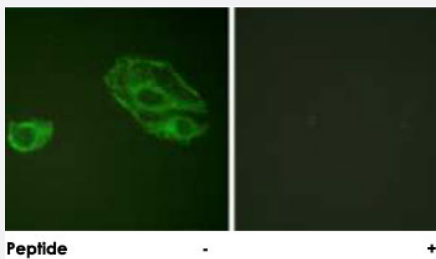
Peptide "+" means "peptide blocking".



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ERBB3 polyclonal antibody (Cat # PAB18366).

Peptide "+" means "peptide blocking".



### Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ERBB3 polyclonal antibody (Cat # PAB18366).

Peptide "+" means "peptide blocking".

## Specification

### Product Description

Rabbit polyclonal antibody raised against synthetic peptide of ERBB3.

|                            |                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>           | A synthetic peptide corresponding to residues surrounding Y1289 of human ERBB3.                                                                                                               |
| <b>Host</b>                | Rabbit                                                                                                                                                                                        |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                                                                                                             |
| <b>Specificity</b>         | This antibody is specific to ERBB3.                                                                                                                                                           |
| <b>Form</b>                | Liquid                                                                                                                                                                                        |
| <b>Purification</b>        | Affinity purification                                                                                                                                                                         |
| <b>Concentration</b>       | 1 mg/mL                                                                                                                                                                                       |
| <b>Recommend Usage</b>     | Western Blot (1:500-1:1000)<br>Immunohistochemistry (1:50-1:100)<br>Immunofluorescence (1:500-1:1000)<br>ELISA (1:5000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)                                                                                                                                 |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                            |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                        |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, treated with LiCl (0.01 U/mL, 15 mins), using ERBB3 polyclonal antibody (Cat # PAB18366).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ERBB3 polyclonal antibody (Cat # PAB18366).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ERBB3

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2065</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Accession# | <a href="#">P21860</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | ERBB3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Alias         | ErbB-3, HER3, LCCS2, MDA-BF-1, MGC88033, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description   | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Omim ID            | <a href="#">190151</a> <a href="#">607598</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary       | <p>This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternative transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized. [provided by RefSeq]</p> |
| Other Designations | erbB-3 lethal congenital contracture syndrome 2 v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Publication Reference

- [Neuroglycan C, a novel member of the neuregulin family.](#)

Kinugasa Y, Ishiguro H, Tokita Y, Oohira A, Ohmoto H, Higashiyama S.

Biochemical and Biophysical Research Communications 2004 Sep; 321(4):1045.

Application: WB, Human, T-47D cells

- [Regulation of the ErbB3 binding protein Ebp1 by protein kinase C.](#)

Lessor TJ, Hamburger AW.

Molecular and Cellular Endocrinology 2001 Apr; 175(1-2):185.

Application: WB-Tr, Mouse, NIH/3T3 cells

## Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)
- [ErbB signaling pathway](#)

## Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Bipolar Disorder](#)
- [Brain Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hypertension](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)

- [Schizophrenia](#)
- [Thyroid Diseases](#)