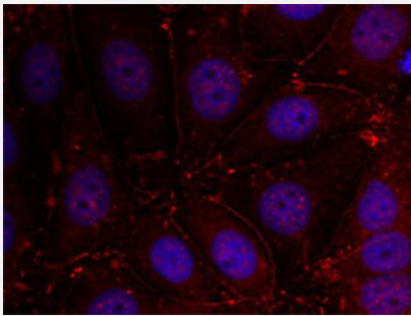


ERBB3 polyclonal antibody

Catalog # PAB26836 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence staining of methanol-fixed MCF-7 cells using ERBB3 polyclonal antibody (Cat # PAB26836, red).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ERBB3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding Y1289 of human E RBB3.
Sequence	Q-G-Yp-E-E
Host	Rabbit
Theoretical MW (kDa)	185
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence

Immunofluorescence staining of methanol-fixed MCF-7 cells using ERBB3 polyclonal antibody (Cat # PAB26836, red).

Gene Info — ERBB3

Entrez GeneID

[2065](#)

Protein Accession#

[P21860](#)

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

[190151](#) [607598](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

erbB-3|lethal congenital contracture syndrome 2|v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3

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](#)