

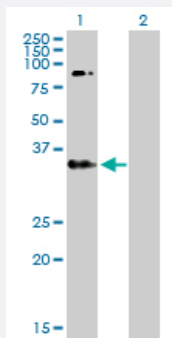
MaxPab®

ERBB3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002065-D01P

Size 100 ug

Applications

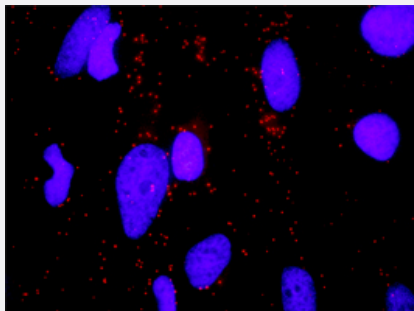


Western Blot (Transfected lysate)

Western Blot analysis of ERBB3 expression in transfected 293T cell line ([H00002065-T01](#)) by ERBB3 MaxPab polyclonal antibody.

Lane 1: ERBB3 transfected lysate(36.50 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between ERBB3 and ERBB2. HeLa cells were stained with anti-ERBB3 rabbit purified polyclonal 1:1200 and anti-ERBB2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ERBB3 protein.

Immunogen

ERBB3 (AAH02706.1, 1 a.a. ~ 331 a.a) full-length human protein.

Sequence

MRANDALQVLGLLFSLARGSEVGNLSQAVCPGTLNGLSVTGDAENQYQTLTKLYERCEVVMGNLE
MLTGHNADLSFLQWIREVTGYVLVAMNEFSTLPLNLRVVRGTQVYDGKFAIFVMLNYNTNSSHAL
RQLRLTQLTEILSGGVYIEKNDKLCMDTIDWRDIVRDRDAEMVKDNGRSCPPCHEVCKGRCWG
PGSEDCQTLTKTICAPQCNGHCFGNPNQCCHDECAGGCSGPQDTCFACRHFNDSGACVPR
CPQPLVYNKLTFLQEPNPHTKYQYGGVCVASCPHNFVVDQTSVCRACPPDKMEVDKNGLKMCE
PCGGLCPKAF

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

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Gene Info — ERBB3

Entrez GeneID	2065
GeneBank Accession#	BC002706.2
Protein Accession#	AAH02706.1
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](#)