

DNAxPAb

Hard-to-Find
Antibody

ERBB3 DNAxPAb

Catalog # H00002065-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ERBB3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MRANDALQVLGLLFSLARGSEVGNSQAVCPGTLNGLSVTGAENQYQTLTKLYERCEVVMGNLE MLTGHNADLSFLQWIREVTGYVLVAMNEFSTLPLPNLRVVRGTQVYDGKFAIFVMLNYNTNSSHAL RQLRLTQLTEILSGGVYIEKNDKLCHMDTIDWRDVRDRDAENVKDNGRSCPPCHEVCKGRCWG PGSEDCQTLTKTICAPQCNGHCFGPNPNQCCHDECAGGCSGPQDTCFACRHFNDSGACVPR CPQPLVYNKLTFLQEPNPHTKYQYGGVCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCE PCGGLCPKAF
Host	Rabbit
Reactivity	Human
Purification	Protein A
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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)