ERBB3 rabbit monoclonal antibody

Catalog # H00002065-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ERBB3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ERBB3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ERBB3 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ERBB3

Entrez GeneID	2065
GeneBank Accession#	ERBB3
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 t yrosine 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 prote in 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 t o 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. Alternat e transcriptional splice variants encoding different isoforms have been characterized. One isofor m 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 onco gene 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