

ErbB3 (HER3) Antibody

Rabbit mAb

Catalog # AP90313

Product Information

Application	WB, IP
Primary Accession	P21860
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	ERB3, ERBB3, HER3, c-erbB3, kinase ErbB3
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	148098

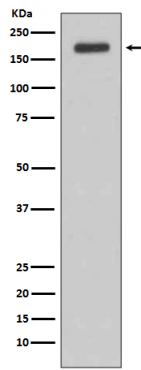
Additional Information

Dilution	WB 1:500~1:2000 IP 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ErbB3 (HER3)
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ERBB3
Synonyms	HER3
Function	Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: 20682778). May also be activated by CSPG5 (PubMed: 15358134). Involved in the regulation of myeloid cell differentiation (PubMed: 27416908).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Epithelial tissues and brain.

Images



Western blot analysis of ErbB3 (HER3) expression in MCF-7 cell lysate.

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