

HER3 (pY1222) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP53346

Product Information

Application	WB
Primary Accession	P21860
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148098

Additional Information

Gene ID	2065
Other Names	Receptor tyrosine-protein kinase erbB-3, 2.7.10.1, Proto-oncogene-like protein c-ErbB-3, Tyrosine kinase-type cell surface receptor HER3, ERBB3, HER3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HER3. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

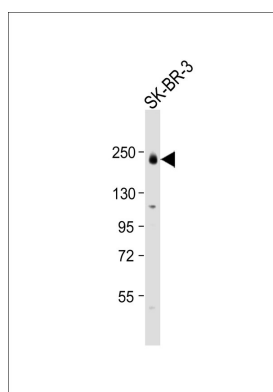
Background

Binds and is activated by neuregulins and NTAK. May also be activated by CSPG5.

References

Kraus M.H.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:9193-9197(1989).
Plowman G.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:4905-4909(1990).
Kato M.,et al.Biochem. Biophys. Res. Commun. 192:1189-1197(1993).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Anti-HER3 (pY1222) Antibody at 1:1000 dilution + SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 148 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.