

Rabbit HER3/ErbB3 Polyclonal Antibody | anti-HER3/ErbB3 antibody

Phospho-HER3/ErbB3 (Tyr1289) Antibody

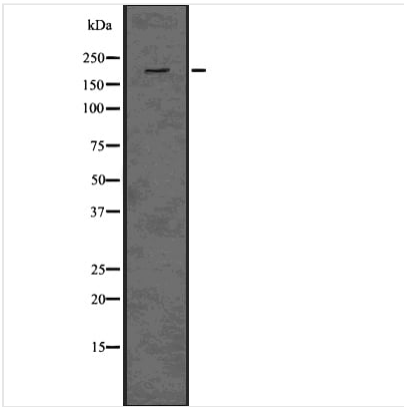
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327251	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HER3/ErbB3; Polyclonal Antibody; Phospho-HER3/ErbB3 (Tyr1289) Antibody; c erbB 3; c erbB3; Erb b2 receptor tyrosine kinase 3; ErbB 3; ERBB3; ERBB3 protein; erbB3 S; ERBB3_HUMAN; Glial growth factor receptor; HER 3; HER3; Human epidermal growth factor receptor 3; LCCS2; MDA BF 1; MGC88033; p180 ErbB3; p45 sErbB3; p85 sErbB3; proto-oncogene-like protein c ErbB 3; proto-oncogene-like protein c ErbB3; Proto-oncogene-like protein c-ErbB-3; Receptor tyrosine protein kinase erbB 3; Receptor tyrosine protein kinase erbB3; Receptor tyrosine-protein kinase erbB-3; Tyrosine kinase type cell surface receptor HER3; Tyrosine kinase-type cell surface receptor HER3; v erb b2 avian erythroblastic leukemia viral oncogene homolog 3; v erb b2 erythroblastic leukemia viral oncogene homolog 3 (avian); v erb b2 erythroblastic leukemia viral oncogene homolog 3; anti-HER3/ErbB3 antibody

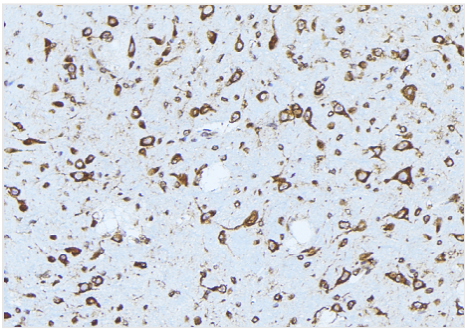
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-HER3/ErbB3 (Tyr1289) antibody detects endogenous levels of HER3/ErbB3 only when phosphorylated at Tyr1289
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	183
Applicable Applications for anti-HER3/ErbB3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Phospho-HER3/ErbB3 (Tyr1289)
Subcellular Location	Secreted and Cell Membrane.
Tissue Specificity	Epithelial tissues and brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (90%), Bovine (100%), Horse (90%), Sheep (100%), Rabbit (90%), Dog (90%), Chicken (100%)
Conjugation	Unconjugated
Epitope	Phospho Tyr1289
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of Phospho-HER3/ErbB3 (Tyr1289) using HeLa whole cell lysates



IHC (Immunohistochemistry)

AAA327251 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-HER3/ErbB3 antibody	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). Subunit Structure: Monomer and homodimer. Heterodimer with each of the other ERBB receptors (Potential). Interacts with CSPG5 (PubMed:15358134). Interacts with GRB7 (PubMed:9516479). Interacts with MUC1 (PubMed:12939402). Interacts with MYOC (By similarity). Interacts with isoform 2 of PA2G4 (PubMed:11325528, PubMed:16832058). Found in a ternary complex with NRG1 and ITGAV:ITGB3 or ITGA6:ITGB4 (PubMed:20682778). Post-translational Modifications: Autophosphorylated (PubMed:20351256). Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed:20682778). Similarity: The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins. Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792102
NCBI GeneID	2065
NCBI Accession #	NP_001005915.1
NCBI GenBank Nucleotide #	NM_001005915.1
UniProt Accession #	P21860; Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8
Molecular Weight	Observed: 185 kDa Predicted: 149 kDa
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-3 isoform s
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 3
NCBI Official Symbol	ERBB3
NCBI Official Synonym Symbols	HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3
NCBI Protein Information	receptor tyrosine-protein kinase erbB-3
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-3
UniProt Gene Name	ERBB3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/her3-erb3-antibody-immunohistochemistry-western-blot-elisa/327251>