

Rabbit Phospho-HER4 (Y1162) Polyclonal Antibody | anti-ERBB4 antibody

Phospho-HER4 (Y1162) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284789	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Phospho-HER4 (Y1162); Polyclonal Antibody; Phospho-HER4 (Y1162) Antibody; Receptor tyrosine-protein kinase erbB-4; Proto-oncogene-like protein c-ErbB-4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4; ERBB4 intracellular domain; 4ICD; E4ICD; s80HER4; ERBB4; HER4; anti-ERBB4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HER4 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1162 of human HER4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.34 (varies by lot)
Sequence Length	1,282
Applicable Applications for anti-ERBB4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of Phospho-HER4-Y1162 Antibody with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Phospho-HER4-Y1162 Antibody was used to detect Phospho-HER4-Y1162 in FG pancreatic carcinoma cell line lysate. FG pancreatic carcinoma cells treated with or without EGF (50ng/ml) for 15 min. Phospho-HER4-Y1162 Antibody was used at 1:750 in 3% BSA. Data and protocol kindly provided by Dr. Weis of Cheresch Lab, UCSD.

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB4 antibody	HER4/ERBB4 is a member of the type I receptor tyrosine kinase subfamily that includes EGFR, ERBB2 and ERBB3. It is a receptor for NDF/heregulin.
Product Categories/Family for anti-ERBB4 antibody	Cancer; Signal Transduction; Phospho Antibodies
References	Tanimura, K., et al., Eur. J. Endocrinol. 151(1):93-101 (2004). Hughes, D.P., et al., Cancer Res. 64(6):2047-2053 (2004). Cheng, Q.C., et al., J. Biol. Chem. 278(40):38421-38427 (2003). Chaudhury, A.R., et al., J. Neuropathol. Exp. Neurol. 62(1):42-54 (2003). Komuro, A., et al., J. Biol. Chem. 278(35):33334-33341 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	110825958
NCBI GeneID	2066
NCBI Accession #	NP_001036064.1; NP_005226.1
NCBI GenBank Nucleotide #	NM_001042599.1
UniProt Accession #	Q15303; Q2M1W1; Q59EW4; B7ZLD7; B7ZLE2; B7ZLE3
Molecular Weight	146808
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-4 isoform JM-a/CVT-2
NCBI Official Synonym Full Names	erb-b2 receptor tyrosine kinase 4
NCBI Official Symbol	ERBB4
NCBI Official Synonym Symbols	HER4; ALS19; p180erbB4
NCBI Protein Information	receptor tyrosine-protein kinase erbB-4
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-4
UniProt Gene Name	ERBB4
UniProt Synonym Gene Names	HER4; 4ICD; E4ICD
UniProt Entry Name	ERBB4_HUMAN

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.