Rabbit anti-Human, mouse Phospho-M ERBB2 (Y1140) Polyclonal Antibody | anti-Erbb2 antibody

Phospho-M ERBB2 (Y1140) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288307	**Rabbit**	**Human, mouse**	**ELISA, Dot Blot, Western Blot**

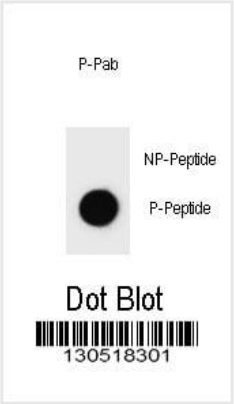
PRODUCT SYNONYMS

Phospho-M ERBB2 (Y1140); Polyclonal Antibody; Phospho-M ERBB2 (Y1140) Antibody; Receptor tyrosine-protein kinase erbB-2; Proto-oncogene Neu; Proto-oncogene c-ErbB-2; p185erbB2; CD340; Erbb2; Kiaa3023; Neu; anti-Erbb2 antibody

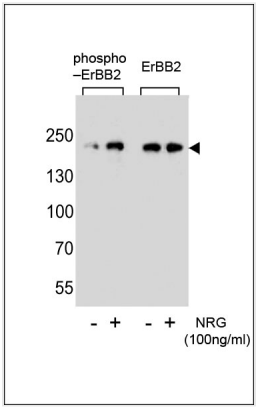
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This mouse ERBB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1140 of mouse ERBB2.
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: 0.5 (varies by lot)
Sequence Length	1256
Applicable Applications for anti-Erbb2 antibody	ELISA, DB (Dot Blot), WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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.

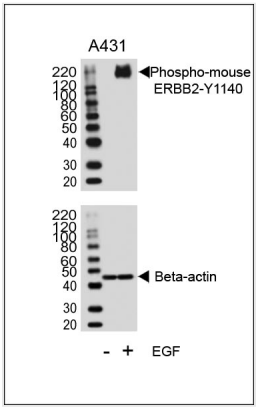
IMAGES



DB (Dot Blot)
Dot blot analysis of Phospho-mouse ERBB2-Y1140 Antibody Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.



WB (Western Blot)
Western blot analysis of extracts from SK-BR-3 cell,untreated or treated with NRG,using phospho-mouse ERBB2-Y1140(left) or mouse ERBB2 antibody(right).



WB (Western Blot)
Western blot analysis of lysates from A431 cell line, untreated or treated with EGF, 100ng/ml, using Phospho-mouse ERBB2-Y1140 (upper) or Beta-actin (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-Erbb2 antibody	This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.
Product Categories/Family for anti-Erbb2 antibody	Cancer; Signal Transduction; Phospho Antibodies

References	Cabodi, S., et al. FASEB J. 24(10):3796-3808(2010) Johnson, E., et al. J. Biol. Chem. 285(38):29491-29501(2010) Huck, L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(35):15559-15564(2010) Chuang, T.D., et al. J. Biol. Chem. 285(31):23598-23606(2010) Simeone, L., et al. J. Neurosci. 30(19):6620-6634(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	54873610
NCBI GeneID	13866
NCBI Accession #	NP_001003817.1
NCBI GenBank Nucleotide #	NM_001003817.1
UniProt Accession #	P70424; Q61525; Q6ZPE0
Molecular Weight	138579
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2
NCBI Official Synonym Full Names	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
NCBI Official Symbol	Erbb2
NCBI Official Synonym Symbols	Neu; HER2; HER-2; c-neu; Erbb-2; c-erbB2; mKIAA3023
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	**Erbb2**
UniProt Synonym Gene Names	Kiaa3023; Neu
UniProt Entry Name	ERBB2_MOUSE

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/phospho-m-erbb2-y1140-antibody-dot-blot-western-blot-elisa/288307