

Rabbit anti-Mouse ErbB4 Polyclonal Antibody | anti-ERBB4 antibody

Anti-ErbB4 Antibody, Rabbit Polyclonal

CATALOG # AAA255063	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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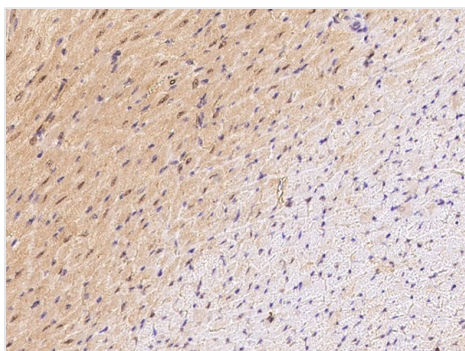
PRODUCT SYNONYMS

ErbB4; Polyclonal Antibody; Anti-ErbB4 Antibody; Rabbit Polyclonal; ErbB4 Antibody; Rabbit PAb; Antigen Affinity Purified; erb-b2 receptor tyrosine kinase 4; Anti-c-erbB-4 Antibody; Anti-Her4 Antibody; anti-ERBB4 antibody

PRODUCT SPECIFICATIONS

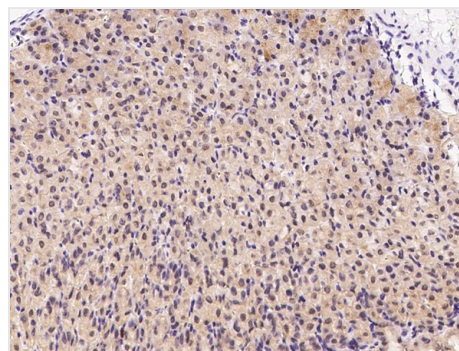
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse ErbB4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ERBB4 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Mouse ErbB4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Mouse ErbB4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse ERBB4 in mouse heart with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse ERBB4 in mouse stomach with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ERBB4 antibody	ERBB4 is a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphotyrosine-3 kinase binding site and a PDZ domain binding motif. ERBB4 is expressed at highest levels in brain, heart, kidney, in addition to skeletal muscle, parathyroid, cerebellum, pituitary, spleen, testis and breast. And lower levels in thymus, lung, salivary gland, and pancreas. It specifically binds to and is activated by neuregulins, NRG-2, NRG-3, heparin-binding EGF-like growth factor, betacellulin and NTAK. ERBB4 also can be activated by other factors and induces a variety of cellular responses including mitogenesis and differentiation. ERBB4 regulates development of the heart, the central nervous system and the mammary gland, gene transcription, cell proliferation, differentiation, migration and apoptosis. It is required for normal cardiac muscle differentiation during embryonic development, and for postnatal cardiomyocyte proliferation. ERBB4 also play a role on the normal development of the embryonic central nervous system, especially for normal neural crest cell migration and normal axon guidance. It is required for mammary gland differentiation, induction of milk proteins and lactation.
Product Categories/Family for anti-ERBB4 antibody	Cancer Drug Targets Receptor Tyrosine Kinases (RTKs)
References	Huang, Y Z, et al. (2000) Regulation of neuregulin signaling by PSD-95 interacting with ErbB4 at CNS synapses. <i>Neuron</i>. 26(2):443-55. Garcia, R A, et al. (2000) The neuregulin receptor ErbB-4 interacts with PDZ-containing proteins at neuronal synapses. <i>Proc Natl Acad Sci</i>. 97(7):3596-601. Silberberg G, et al. (2006) The involvement of ErbB4 with schizophrenia: association and expression studies. <i>Am J Med Genet</i>. 141(B2):142-8. Sardi SP, et al. (2006) Presenilin-dependent ErbB4 nuclear signaling regulates the timing of astrogenesis in the developing brain. <i>Cell</i>. 127(1):185-97.

NCBI AND UNIPROT INFORMATION

NCBI GI #	146134398
NCBI GeneID	13869
NCBI Accession #	NP_034284.1
NCBI GenBank Nucleotide #	NM_010154.1
UniProt Accession #	Q61527 ; O88460 ; Q3UNS6 ; B2KGF5 ; B2KGF6
Molecular Weight	146,855 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-4
NCBI Official Synonym Full Names	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)
NCBI Official Symbol	ErbB4
NCBI Official Synonym Symbols	Her4; c-erbB-4
NCBI Protein Information	receptor tyrosine-protein kinase erbB-4; avian erythroblastosis oncogene B 4; proto-oncogene-like protein c-ErbB-4
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-4
UniProt Gene Name	ErbB4
UniProt Synonym Gene Names	Mer4; 4ICD; E4ICD
UniProt Entry Name	ERBB4_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.