

产品名称: ErbB-4 Rabbit Polyclonal Antibody
产品货号: APRab10574



产品概述 (Summary)

产品名称 (Production Name)	ErbB-4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ERBB4,HER4
别名 (Alternative Names)	ERBB4; HER4; Receptor tyrosine-protein kinase erbB-4; Proto-oncogene-like protein c-ErbB-4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4
基因 ID (Gene ID)	2066.0
蛋白 ID (SwissProt ID)	Q15303.The antiserum was produced against synthesized peptide derived from human HER4. AA range:1250-1299

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

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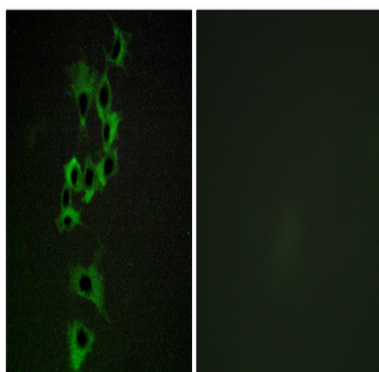
研究背景 (Background)

This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008], catalytic activity: $\text{ATP} + \text{a [protein]-L-tyrosine} = \text{ADP} + \text{a [protein]-L-tyrosine phosphate}$, domain: The WW-binding motifs mediate interaction with WWOX, function: Specifically binds and is activated by neuregulins, NRG-2, NRG-3, heparin-binding EGF-like growth factor, betacellulin and NTAK. Interaction with these factors induces cell differentiation. Not activated by EGF, TGF- α , and amphiregulin, PTM: Isoform JM-A is processed but not isoform JM-B. So, they respectively represent cleavable and non-cleavable forms of the receptor, PTM: Ligand-binding increases phosphorylation on tyrosine residues, similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily, similarity: Contains 1 protein kinase domain, subunit: Homodimer or heterodimer with each of the other ERBB receptors (Potential). Interacts with PDZ domains of DLG2, DLG3, DLG4 and the syntrophin SNTB2. Interacts with CBFA2T3, MUC1 and WWOX, tissue specificity: Expressed at highest levels in brain, heart, kidney, in addition to skeletal muscle, parathyroid, cerebellum, pituitary, spleen, testis and breast. Lower levels in thymus, lung, salivary gland, and pancreas. Isoform JM-A and isoform JM-B are expressed in cerebellum, but only the isoform JM-B is expressed in the heart,

研究领域 (Research Area)

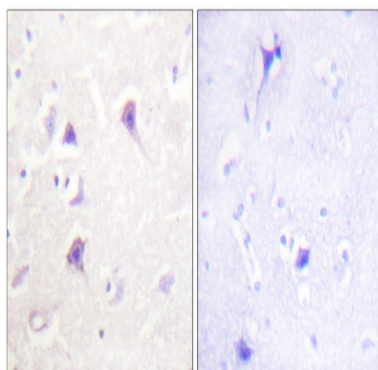
ErbB_HER; Calcium; Endocytosis;

图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using HER4 Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using HER4 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .