

产品名称: EphB6 Rabbit Polyclonal Antibody
产品货号: APRab10530



产品概述 (Summary)

产品名称 (Production Name)	EphB6 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)	EPHB6
别名 (Alternative Names)	EPHB6; Ephrin type-B receptor 6; HEP; Tyrosine-protein kinase-defective receptor EPH-6
基因 ID (Gene ID)	2051.0
蛋白 ID (SwissProt ID)	O15197.The antiserum was produced against synthesized peptide derived from human EPHB6. AA range:861-910

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 1:5000-1:10000
蛋白分子量 (Molecular Weight)	119kDa

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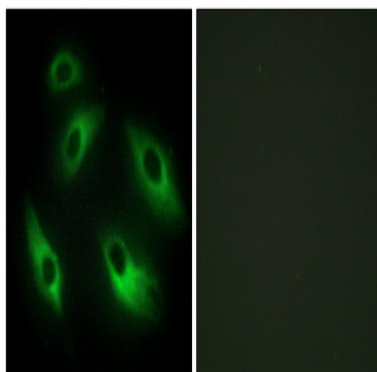
研究背景 (Background)

This gene encodes a member of a family of transmembrane proteins that function as receptors for ephrin-B family proteins. Unlike other members of this family, the encoded protein does not contain a functional kinase domain. Activity of this protein can influence cell adhesion and migration. Expression of this gene is downregulated during tumor progression, suggesting that the protein may suppress tumor invasion and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],domain:The protein kinase domain is predicted to be catalytically inactive. Its extracellular domain is capable of promoting cell adhesion and migration in response to low concentrations of ephrin-B2, but its cytoplasmic domain is essential for cell repulsion and inhibition of migration induced by high concentrations of ephrin-B2.,function:Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2.,PTM:Ligand-binding increases phosphorylation on tyrosine residues. Phosphorylation on tyrosine residues is mediated by transphosphorylation by the catalytically active EPHB1 in a ligand-independent manner. Tyrosine phosphorylation of the receptor may act as a switch on the functional transition from cell adhesion/attraction to de-adhesion/repulsion.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with CBL and EPHB1. Interacts with FYN; this interaction takes place in a ligand-independent manner.,tissue specificity:Expressed in brain. Expressed in non invasive breast carcinoma cell lines (at protein level). Strong expression in brain and pancreas, and weak expression in other tissues, such as heart, placenta, lung, liver, skeletal muscle and kidney. Expressed in breast non invasive tumors but not in metastatic lesions. Isoform 3 is expressed in cell lines of glioblastomas, anaplastic astrocytomas, gliosarcomas and astrocytomas. Isoform 3 is not detected in normal tissues.,

研究领域 (Research Area)

Axon guidance;

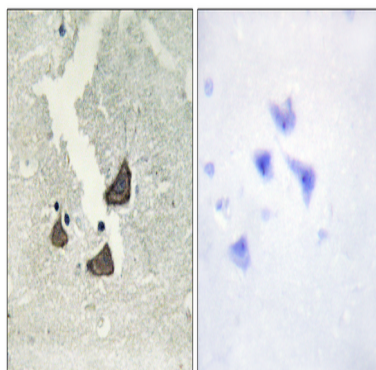
图片 (Image Data)



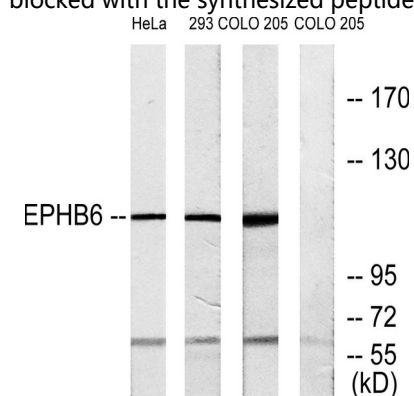
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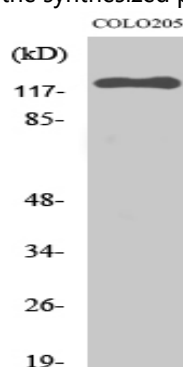
Immunofluorescence analysis of HeLa cells, using EPHB6 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using EPHB6 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO, 293, and HeLa cells, using EPHB6 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using EphB6 Polyclonal Antibody

注意事项 (Note)

For research use only .