

产品名称: EphB2 Rabbit Polyclonal Antibody
产品货号: AP Rab10527



产品概述 (Summary)

产品名称 (Production Name)	EphB2 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,Rat,Mouse

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)	EPHB2 EPHB2; DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; Ephrin type-B receptor 2; Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; EK5; hEK5; Renal carcinoma antigen NY-REN-47
别名 (Alternative Names)	
基因 ID (Gene ID)	2048.0
蛋白 ID (SwissProt ID)	P29323.The antiserum was produced against synthesized peptide derived from human EPHB2. AA range:991-1040

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
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蛋白分子量 (Molecular Weight) 117kDa

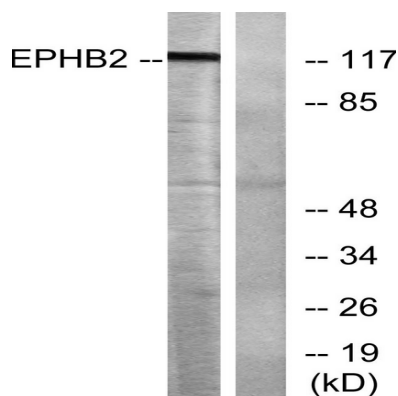
研究背景 (Background)

This gene encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors are composed of an N-terminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. They bind ligands called ephrins and are involved in diverse cellular processes including motility, division, and differentiation. A distinguishing characteristic of Eph-ephrin signaling is that both receptors and ligands are competent to transduce a signaling cascade, resulting in bidirectional signaling. This protein belongs to a subgroup of the Eph receptors called EphB. Proteins of this subgroup are distinguished from other members of the family by sequence homology and preferential binding affinity for membrane-bound ephrin-B ligands. Allelic variants are associated with prostate and brain cancer susceptibility. Alternative splicing results in multiple trcatalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in EPHB2 are involved in the development of prostate cancer metastasis to the brain [MIM:603688],disease:Defects in EPHB2 are involved in the progression of prostate cancer [MIM:176807],function:Receptor for members of the ephrin-B family. Acts as a tumor suppressor.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,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:The ligand-activated form interacts with multiple proteins, including GTPase-activating protein (RASGAP) through its SH2 domain. Binds RASGAP through the juxtamembrane tyrosines residues. Interacts with PRKCABP and GRIP1.,tissue specificity:Brain, heart, lung, kidney, placenta, pancreas, liver and skeletal muscle. Preferentially expressed in fetal brain.,

研究领域 (Research Area)

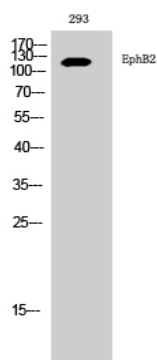
Axon guidance;

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using EPHB2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of 293 cells using EphB2 Polyclonal Antibody diluted at 1 : 1000

注意事项 (Note)

For research use only .