酪氨酸蛋白激酶受体 B1 抗体

产品货号： mlR7037

英文名称： Eph receptor B1

中文名称： 酪氨酸蛋白激酶受体 B1 抗体

别　　名： Cek 6; Elkh; Eph tyrosine kinase 2; EPH2; EphB1; Ephrin receptor Eph B1 precursor; Ephrin type B receptor 1; HEK 6; NET; Neuronally expressed EPH related tyrosine kinase; Tyrosine protein kinase receptor EPH 2; ELK; EPH-like kinase 6; Ephb1; EPHB1_HUMAN; Ephrin type B receptor 1; Ephrin type-B receptor 1; EPHT2; HEK6; Neuronally-expressed EPH-related tyrosine kinase; Tyrosine protein kinase receptor EPH 2; Tyrosine-protein kinase receptor EPH-2.

研究领域： 心血管　细胞生物　神经生物学　信号转导　激酶和磷酸酶　细胞膜受体

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 106kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human EphB1/Eph receptor B1:101-200/984 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： **PubMed**

产品介绍： EphB1, previously known as Elk (eph like kinase), is a receptor tyrosine kinase of the highly tissue restricted family of eph proteins. EphB1 and other ephB family members are type 1 membrane spanning proteins, comprised of immunoglobulin, fibronectin type III, and cysteine rich subdomains in the ecto domain, and the single uninterrupted cytoplasmic tyrosine kinase domain upstream of a carboxyterminal sterile alpha motif (SAM) domain. EphB family proteins bind ephrins of the B class. EphB1 is expressed predominately in developing neural structures in embryos, and in vascular epithelium of kidney, and other tissues. Upon binding to alternatively oligomerized ephrin B1, EphB1 signals regulation of cell attachment and cell to cell assembly. Members of this protein family are implicated in neuronal and vascular cell targeting.

Subunit:

Heterotetramer upon binding of the ligand. The heterotetramer is composed of an ephrin dimer and a receptor dimer. Oligomerization is probably required to induce biological responses. Interacts with EPHB6; transphosphorylates EPHB6 to form an active signaling complex. Interacts with PICK1. Interacts (through Tyr-594) with NCK1 (via SH2 domain); activates the JUN cascade to regulate cell adhesion. The ligand-activated form interacts (through Tyr-928) with GRB7 and GRB10 (via SH2 domains). The ligand-activated form interacts (residues within the catalytic domain) with GRB2 (via SH2 domain). Interacts with GRB2, SHC1 and SRC; activates the MAPK/ERK cascade to regulate cell migration. Interacts with CBL; regulates receptor degradation through ubiquitination. Interacts with ACP1.

Subcellular Location:

Membrane.

Tissue Specificity:

Preferentially expressed in brain.

Post-translational modifications:

Phosphorylated. Autophosphorylation is stimulated by the ligand EFNB1. Required for interaction with SH2 domain-containing interactors, for activation of the MAPK/ERK and JUN signaling cascades and for ubiquitination

by CBL.

Ubiquitinated; (EFNB1)ligand-induced poly- and/or multi-ubiquitination by CBL is regulated by SRC and leads to lysosomal degradation.

Similarity:

Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.

Contains 1 Eph LBD (Eph ligand-binding) domain.

Contains 2 fibronectin type-III domains.

Contains 1 protein kinase domain.

Contains 1 SAM (sterile alpha motif) domain.

SWISS:

P54762

Gene ID:

2047

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片