

酪氨酸蛋白激酶受体 B4 抗体

产品货号: mlR6046

英文名称: EPHB4

中文名称: 酪氨酸蛋白激酶受体 B4 抗体

别名: Eph receptor B4; EPHB4; EPHB4_HUMAN; Ephrin type-B receptor 4; Hepatoma Transmembrane Kinase; HTK; MYK1; TYRO11; Tyrosine-protein kinase receptor HTK; Tyrosine-protein kinase TYRO11.

研究领域: 心血管 细胞生物 免疫学 神经生物学 信号转导 干细胞 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, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig,

产品应用: WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 (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: 107kDa

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 Eph receptor B4:601-700/987

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 background:



Receptor for members of the ephrin-B family. Binds to ephrin-B2. May have a role in events mediating differentiation and development.

Function:

Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Together with its cognate ligand/functional ligand EFNB2 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation form EFNB2-expressing cells. Plays also a role in postnatal blood vessel remodeling, morphogenesis and permeability and is thus important in the context of tumor angiogenesis.

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.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Tissue Specificity:

Abundantly expressed in placenta and in a range of primary tissues and malignant cell lines. Expressed in fetal, but not adult, brain, and in primitive and myeloid, but not lymphoid, hematopoietic cells.

Post-translational modifications:

Phosphorylated; autophosphorylation is stimulated by EFNB2.



Similarity:

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

Contains 2 fibronectin type-III domains.

Contains 1 protein kinase domain.

Contains 1 SAM (sterile alpha motif) domain.

SWISS:

P54760

Gene ID:

2050

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:



