

Recombinant mouse Eph receptor A1/EphA1 protein ab55900

4 图像

描述

产品名称	重组小鼠Eph receptor A1/EphA1 蛋白
生物活性	Specific activity : 32 nmol/min/mg.
纯度	> 85 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<u>Q60750</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Mouse
预测分子量	71 kDa
氨基酸	569 to 977
标签	GST tag N-Terminus
额外的序列信息	Recombinant fragment, corresponding to amino acids 569-end of Mouse Eph receptor A1.

技术指标

Our **Abpromise guarantee** covers the use of **ab55900** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies SDS-PAGE
形式	Liquid
补充说明	<u>ab204877</u> (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity Previously labelled as Eph receptor A1.

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292%
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EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能

Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A 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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.

组织特异性

Overexpressed in several carcinomas.

序列相似性

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.

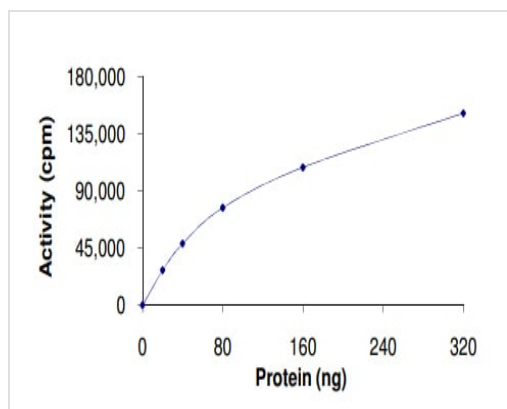
翻译后修饰

Phosphorylated. Autophosphorylation is stimulated by its ligand EFNA1. Ubiquitinated.

细胞定位

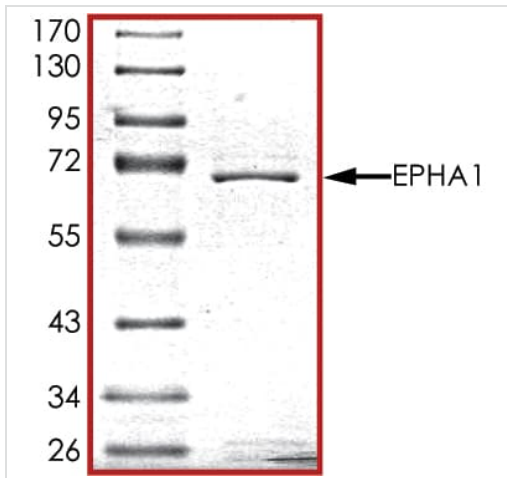
Cell membrane.

图片



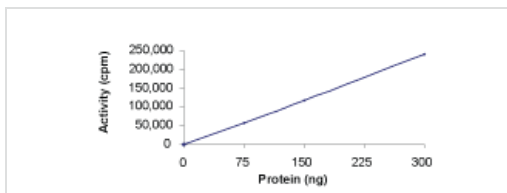
The specific activity of Eph receptor A1/EphA1 (ab55900) was determined to be 36 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant mouse Eph receptor A1/EphA1 protein (ab55900)



SDS PAGE analysis of ab55900

SDS-PAGE - Recombinant mouse Eph receptor A1/EphA1 protein (ab55900)



Kinase assay using ab55900.

Functional Studies - Recombinant mouse Eph receptor A1/EphA1 protein (ab55900)



ab55900 on SDS-PAGE.

SDS-PAGE - Recombinant mouse Eph receptor A1/EphA1 protein (ab55900)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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