abcam

Product datasheet

Eph receptor A2 overexpression 293T lysate (whole cell) ab94110

2 图像

概述

产品名称	Eph receptor A2 overexpression 293T裂解物(whole cell)
常规说明	ab94110 is a 293T cell transfected lysate in which Human Eph receptor A2 has been transiently over-expressed using a pCMV-Eph receptor A2 plasmid. The lysate is provided in 1X Sample Buffer.
经测试应用	**适用于:** WB

性能

Mycoplasma free	Yes
形式	Liquid
存放说明	Shipped on dry ice. Upon delivery aliquot and store at -20ºC. Avoid freeze / thaw cycles.
存储溶液	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
背景	Function: Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A3, -A4 and -A5. Plays an important role in angiogenesis and tumor neovascularization. The recruitement of VAV2, VAV3 and PI3-kinase p85 subunit by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity). Induces apoptosis in a p53/TP53-independent, caspase-8-dependent manner. Tissue specificity: Expressed in brain and glioma tissue and glioma cell lines (at protein level). Expressed most highly in tissues that contain a high proportion of epithelial cells, e.g., skin, intestine, lung, and ovary. Disease: Genetic variations in EPHA2 are the cause of susceptibility to cataract cortical age-related type 2 (ARCC2) [MIM:613020]. A developmental punctate opacity common in the cortex and present in most lenses. The cataract is white or cerulean, increases in number with age, but rarely affects vision. Defects in EPHA2 are the cause of cataract posterior polar type 1 (CTPP1) [MIM:116600]. A subcapsular opacity, usually disk-shaped, located at the back of the lens. It can have a marked effect on visual acuity. 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. PTM: Activated by EFNA1 via tyrosine phosphorylation. Phosphorylated residues Tyr-588 and Tyr-594 are required for binding VAV2 and VAV3 while phosphorylated residues Tyr-735 and Tyr-930 are required for binding PI3-kinase p85 subunit. These phosphorylated residues are critical for recruitment of VAV2 and VAV3 and PI3-kinase p85 subunit which transduce downstream

signaling to activate RAC1 GTPase and endothelial cell migration. They also play a critical role in transducing EPHA2 signaling in vascular endothelial cells during tumor angiogenesis.

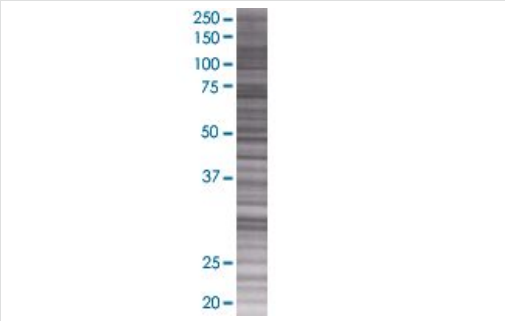
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab94110于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

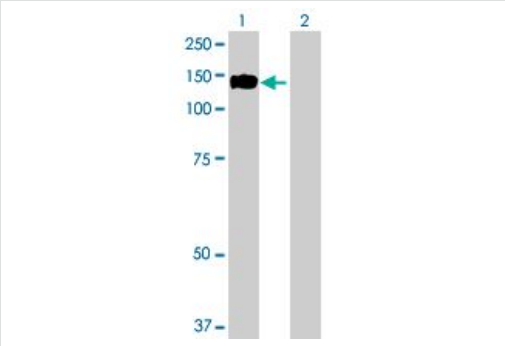
应用	Ab评论	说明
WB		Use at an assay dependent dilution.

图片



SDS-PAGE - Eph receptor A2 overexpression 293T lysate (whole cell) (ab94110)

ab94110 at 15µg/lane on an SDS-PAGE gel



Western blot - Eph receptor A2 overexpression 293T lysate (whole cell) (ab94110)

All lanes : Anti-Eph receptor A2 antibody (**ab54968**) at 1/500 dilution

Lane 1 : Eph receptor A2 overexpression 293T lysate (whole cell) (ab94110)
Lane 2 : 293T Non Transfected Lysate

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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