

Product Datasheet

EFNA1 Antibody

Catalog No: AY2051

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB, ICC/IF



www.abways.com

Information

UniProt ID: P20827

All Names: Ephrin-A1 [Precursor], EPH-related receptor tyrosine kinase ligand 1, LERK-1, Immediate early response protein B61, Tumor necrosis factor, alpha-induced protein 4, EFNA1, EPLG1, LERK1, TNFAIP4

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human EFNA1

Molecular Wt.: 24 KD

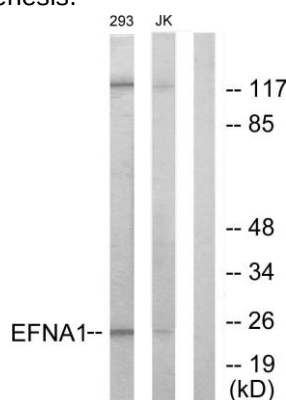
Application

WB 1:500~1:1000

IF/ICC 1:100-1:500

Background

Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. Plays an important role in angiogenesis and tumor neovascularization. The recruitment 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. Exerts anti-oncogenic effects in tumor cells through activation and down-regulation of EPHA2. Activates EPHA2 by inducing tyrosine phosphorylation which leads to its internalization and degradation. Acts as a negative regulator in the tumorigenesis of gliomas by down-regulating EPHA2 and FAK. Can evoke collapse of embryonic neuronal growth cone and regulates dendritic spine morphogenesis.



Western blot analysis of extracts from 293 cells and Jurkat cells, using EFNA1 antibody.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com