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Ephrin A1 Antibody

Rabbit mAb
Catalog # AP92418

Product Information

Application	WB
Primary Accession	P20827
Reactivity	Human
Clonality	Monoclonal
Other Names	B61; EFL1; ECKLG; EPLG1; LERK1; LERK-1; TNFAIP4;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23787

Additional Information

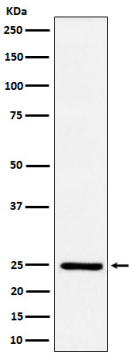
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Ephrin A1
Description	Plays an important role in angiogenesis and tumor neovascularization. The recruitement of VAV2, VAV3 and PI3-kinase p85 subunit by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	EFNA1
Synonyms	EPLG1, LERK1, TNFAIP4
Function	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 (PubMed:17332925, PubMed:18794797). Involved in angiogenesis, regulating vascular endothelial cell differentiation and migration through activation of EPHA2. Acts as a ligand for EPHA3, inhibiting epithelial-to-mesenchymal transition of cardiac cells and playing a role in heart development (PubMed:12794130). May also contribute to dendritic spine morphogenesis (By similarity).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor

Tissue Location	Brain. Down-regulated in primary glioma tissues compared to the normal tissues. The soluble monomeric form is expressed in the glioblastoma multiforme (GBM) and breast cancer cells (at protein level).

Images



Western blot analysis of Ephrin A1 expression in HUVEC cell treated with TNF alpha.

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