

Datasheet for ABIN7178841
anti-Ephrin A1 antibody (AA 18-182)



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Overview

Quantity:	100 µg
Target:	Ephrin A1 (EFNA1)
Binding Specificity:	AA 18-182
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin A1 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Rat Ephrin-A1 protein (18-182AA)
Isotype:	IgG
Cross-Reactivity:	Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Ephrin A1 (EFNA1)
Alternative Name:	Efna1 (EFNA1 Products)
Background:	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

Target Details

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 By similarity. Aliases: Efna1 antibody, Epgl1 antibody, Lerk1 antibody, Ephrin-A1 antibody, EPH-related receptor tyrosine kinase ligand 1 antibody, LERK-1 antibody, Immediate early response protein B61) [Cleaved into: Ephrin-A1 antibody, secreted form] antibody

UniProt: [P97553](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.