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Image



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Overview

Quantity:	100 μL
Target:	Ephrin A1 (EFNA1)
Binding Specificity:	AA 101-205
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin A1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Ephrin A1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target: Ephrin A1 (EFNA1)

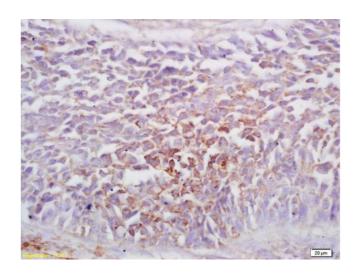
Target Details

Alternative Name:	Ephrin A1 (EFNA1 Products)
Background:	Synonyms: Ephrin-A1, EFNA1, EPH-related receptor tyrosine kinase ligand 1, LERK-1, Immediate early response protein B61, Tumor necrosis factor alpha-induced protein 4, EPLG1, LERK1,
	TNFAIP4 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.
Gene ID:	1942
UniProt:	P20827
Pathways:	RTK Signaling
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti EphA1/Ephrina1/Ephrin A1 Receptor Polyclonal Antibody, Unconjugated (ABIN734108) at 1:200 followed by conjugation to the secondary antibody and DAB staining