

KD-Validated Anti-Ephrin A1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1514

Product Information

Application	WB
Primary Accession	P20827
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5265
Calculated MW	23787
Gene Name	EFNA1
Aliases	EFNA1; Ephrin A1; LERK1; Ephrin-A1; TNFAIP4; ECKLG; EPLG1; GMAN ; Gastric Cancer Metastasis Associated Long Noncoding RNA; EPH-Related Receptor Tyrosine Kinase Ligand 1; Tumor Necrosis Factor Alpha-Induced Protein 4; Immediate Early Response Protein B61; TNF Alpha-Induced Protein 4; LERK-1; Tumor Necrosis Factor, Alpha-Induced Protein 4; Eph-Related Receptor Tyrosine Kinase Ligand 1; Epididymis Secretory Sperm Binding Protein; Ligand Of Eph-Related Kinase 1; EFL1; B61
Immunogen	A synthesized peptide derived from human Ephrin A1

Additional Information

Gene ID	1942
Other Names	Ephrin-A1, EPH-related receptor tyrosine kinase ligand 1, LERK-1, Immediate early response protein B61, Tumor necrosis factor alpha-induced protein 4, TNF alpha-induced protein 4, Ephrin-A1, secreted form, EFNA1, EPLG1, LERK1, TNFAIP4

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).

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