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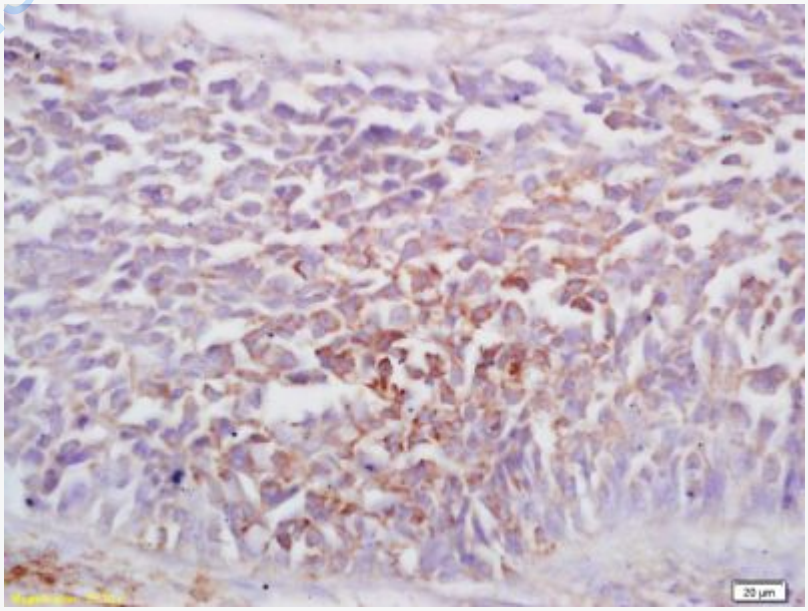
Rabbit Anti-Ephrin A1 antibody

SL1763R

Product Name:	Ephrin A1
Chinese Name:	endothelial cells受体蛋白酪氨酸激酶A/Tumour坏死因子α诱导蛋白4抗体
Alias:	B61; ECKLG; EFL 1; EFL1; EFNA 1; EFNA1; EFNA1_HUMAN; EPH related receptor tyrosine kinase ligand 1; EPH-related receptor tyrosine kinase ligand 1; Ephrin-A1; Ephrin-A1, secreted form; EphrinA1; EPLG 1; EPLG1; Immediate early response protein B61; LERK 1; LERK-1; LERK1; Ligand of eph related kinase 1; OTTHUMP00000033242; OTTHUMP00000033271; secreted form; TNF alpha-induced protein 4; TNFAIP 4; TNFAIP4; Tumor necrosis factor alpha induced protein 4; Tumor necrosis factor alpha-induced protein 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	19/22kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Ephrin A1 :101-205/205
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related

	receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008] **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. 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. **Subunit:** Monomer. Homodimer. Forms heterodimers with EPHA2. Binds to the receptor tyrosine kinases EPHA2, EPHA3, EPHA4, EPHA5, EPHA6 and EPHA7. Also binds with low affinity to EPHA1. **Subcellular Location:** Cell membrane; Lipid-anchor, GPI-anchor. Ephrin-A1, secreted form: Secreted. **Tissue Specificity:** 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). **Post-translational modifications:** Undergoes proteolysis by a metalloprotease to give rise to a soluble monomeric form. **Similarity:** Belongs to the ephrin family. Contains 1 ephrin RBD (ephrin receptor-binding) domain. **SWISS:**

	P21709 **Gene ID:** 1942 **Database links:** Entrez Gene: 1942Human Entrez Gene: 13636Mouse Entrez Gene: 94268Rat Omim: 191164Human SwissProt: P20827Human SwissProt: P52793Mouse SwissProt: P97553Rat Unigene: 516664Human Unigene: 15675Mouse Unigene: 8427Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

	Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-EphA1/Ephrina1/Ephrin A1 Receptor Polyclonal Antibody, Unconjugated (SL1763R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining