10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Ephrin A4 Rabbit pAb

Catalog # AP97605

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P52798
Other Accession	P52798
Predicted	Rat, Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22386
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Ephrin A4
Epitope Specificity	101-201/201
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ephrin family. Contains 1 ephrin RBD (ephrin receptor-binding) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Three transcript variants that encode distinct proteins have been identified. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	1945
Other Names	EFL4; EPLG4; LERK-4; LERK4; EFL-4; Epl4; EFNA4_HUMAN; EFNA4; EPH-related receptor tyrosine kinase ligand 4 (LERK-4); EFNA4_MOUSE; Q3UQB5_MOUSE; EPH-related receptor tyrosine kinase ligand 4; Q9CZS8_MOUSE; ephrin A4; ephrin-A4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	EFNA4
Synonyms	EPLG4, LERK4
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. May play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils.
Cellular Location	[Isoform 1]: Cell membrane; Lipid-anchor, GPI- anchor
Tissue Location	Expressed in the adult spleen, lymph node, prostate, ovary, small intestine, and colon, and in fetal heart, lung, liver and kidney. Also detected in hematopoietic cell lines

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.