

EPB41L5 Rabbit pAb

Catalog # AP97240

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9HCM4
Other Accession	Q9HCM4
Predicted	Rat, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81856
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EPB41L5
Epitope Specificity	51-150/733
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 FERM domain.
SUBUNIT	Interacts with MPP5, CRB2 and CRB3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FERM domains are roughly 150 amino acids in length and are found in a number of cytoskeletal-associated proteins such as Ezrin, Radixin, Moesin and 4.1 (erythrocyte membrane protein band 4.1), where they provide a link between cytoskeletal signals and membrane dynamics. EPB41L5 (erythrocyte membrane protein band 4.1 like 5), also known as BE37 or YMO1, is a 733 amino acid cytoplasmic protein that contains one FERM domain, which it uses to bind CRB1 (crumbs homolog 1). EPB41L5 is a homolog of zebrafish 'mosaic eyes' (moe), and is widely expressed but found at highest levels in ovary, kidney and brain, and is known to colocalize with β -catenin. EPB41L5 may participate in tight junction positioning during the establishment of epithelial cell polarity, and exists as four alternatively spliced isoforms that are encoded by a gene located on human chromosome 2q14.2.

Additional Information

Gene ID	57669
Other Names	BE37; LULU; LULU1; YMO1; YRT; E41L5_HUMAN; EPB41L5; Erythrocyte membrane protein band 4.1-like 5; KIAA1548; erythrocyte membrane protein band 4.1 like 5; yurt homolog (Drosophila)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	EPB41L5
Synonyms	KIAA1548
Function	Plays a role in the formation and organization of tight junctions during the establishment of polarity in epithelial cells.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q8BGS1}. Cell junction, adherens junction {ECO:0000250 UniProtKB:Q8BGS1}. Cell membrane {ECO:0000250 UniProtKB:Q8BGS1}; Peripheral membrane protein. Photoreceptor inner segment {ECO:0000250 UniProtKB:Q5FVG2}

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