



Rabbit Anti-EPB41L5 antibody

SL13719R

Product Name:	EPB41L5
Chinese Name:	红The cell membrane蛋白条带EPB41L5抗体
Alias:	Band 4.1-like protein 5; BE37; E41L5_HUMAN; Epb41l5; erythrocyte membrane protein band 4.1 like 5; KIAA1548.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	82kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EPB41L5:51-150/733
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:	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.

Function:

May contribute to the correct positioning of tight junctions during the establishment of polarity in epithelial cells.

Subcellular Location:

Cytoplasm. Cell junction > adherens junction. Associated with the plasma membrane. Colocalizes with CTNNB1, an adherens junction marker.

Similarity:

Contains 1 FERM domain.

SWISS:

Q9HCM4

Gene ID:

57669

Database links:

[Entrez Gene: 57669](#) Human

[Omid: 611730](#) Human

[SwissProt: Q9HCM4](#) Human

[Unigene: 369232](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.