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[Marker Primary Antibody]

Rabbit Anti-EPB41L5/Biotin Conjugated antibody

Catalog Number: SL13719R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-EPB41L5/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human EPB41L5
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep)
Background:	background: 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

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	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. **Database links:** **Entrez Gene:** 57669 Human Omim: 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.