

## Rabbit Anti-EPB41L5/Cy5 Conjugated antibody

SL13719R-Cy5

<b>Product Name</b>	Anti-EPB41L5/Cy5
<b>Chinese Name</b>	Cy5 标记的红 The cell membrane 蛋白条带 EPB41L5 抗体
<b>Alias</b>	Band 4.1-like protein 5; BE37; E41L5_HUMAN; Epb41l5; erythrocyte membrane protein band 4.1 like 5; KIAA1548.
<b>Research Area</b>	Cell biology Cell Surface Molecule Cytoskeleton
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep) ICC/IF=1:50-200,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	82kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human EPB41L5
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> 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  $\beta$ -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.

**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.