

EPB41L4B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6851b**Specification**

EPB41L4B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O9H329](#)**EPB41L4B Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 54566

Other Names

Band 41-like protein 4B, FERM-containing protein CG1, Protein EHM2, EPB41L4B, EHM2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6851b](/products/AP6851b) was selected from the C-term region of human EPB41L4B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EPB41L4B Antibody (C-term) Blocking Peptide - Protein InformationName EPB41L4B ([HGNC:19818](#))**Function**

Up-regulates the activity of the Rho guanine nucleotide exchange factor ARHGEF18 (By similarity). Involved in the regulation of the circumferential actomyosin belt in epithelial cells (PubMed:[22006950](http://www.uniprot.org/citations/22006950)). Promotes cellular adhesion, migration and motility in vitro and may play a role in wound healing (PubMed:[23664528](http://www.uniprot.org/citations/23664528)). May have a role in mediating cytoskeletal changes associated with steroid- induced cell differentiation (PubMed:[14521927](http://www.uniprot.org/citations/14521927)).

Cellular Location

Cytoplasm. Cell junction, tight junction Note=Accumulates along apical cell-cell boundaries and is also detected in the cytoplasm in a punctate manner.

Tissue Location

Expressed at higher levels in acute wounds than chronic wounds with increased expression in healing wounds, especially at the leading wound edge (PubMed:23664528). Isoform 1 is highly expressed in brain. Isoform 2 is highly expressed in testis with lower levels in prostate and breast (PubMed:14521927)

EPB41L4B Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

EPB41L4B Antibody (C-term) Blocking Peptide - Images**EPB41L4B Antibody (C-term) Blocking Peptide - References**

Leyne,M., et.al., Unpublished