

**EPB42 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7493c****Specification**

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**EPB42 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P16452](#)**EPB42 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2038**Other Names**

Erythrocyte membrane protein band 42, Erythrocyte protein 42, P42, EPB42, E42P

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7493c](/products/AP7493c) was selected from the Center region of human EPB42. 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.

**EPB42 Antibody (Center) Blocking Peptide - Protein Information****Name** EPB42 ([HGNC:3381](#))**Synonyms** E42P**Function**

Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane.

**Cellular Location**

Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, cytoskeleton. Note=Cytoplasmic surface of erythrocyte membranes

**EPB42 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **EPB42 Antibody (Center) Blocking Peptide - Images**

#### **EPB42 Antibody (Center) Blocking Peptide - Background**

EPB42 is an ATP-binding protein which may regulate the association of protein 3 with ankyrin. The protein probably has a role in erythrocyte shape and mechanical property regulation.

#### **EPB42 Antibody (Center) Blocking Peptide - References**

Su,Y., Ding,Y. Mol. Cell. Biochem. 289 (1-2), 159-166 (2006)Dahl,K.N., Parthasarathy,R. Blood 103 (3), 1131-1136 (2004)Cui,Y.P., Wang,J.B. World J. Gastroenterol. 9 (9), 1892-1896 (2003)