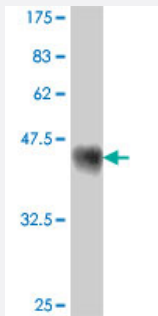


EPB41 polyclonal antibody (A01)

Catalog # H00002035-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant EPB41.
Immunogen	EPB41 (AAH39079, 116 a.a. ~ 225 a.a) partial recombinant protein with GST tag.
Sequence	IEFGTSLDEEIIKAPIAAPEPELKTDPSLDLHSLSSAETQPAQEELREDPDFEIKEGEGLEECCKIE VKEESPQSKAETELKASQKPIRKHHRNMHCKVSLDDTVYECV
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — EPB41

Entrez GeneID [2035](#)

GeneBank Accession# [BC039079](#)

Protein Accession# [AAH39079](#)

Gene Name EPB41

Gene Alias 4.1R, EL1, HE

Gene Description erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)

Omim ID [130500](#)

Gene Ontology [Hyperlink](#)

Gene Summary Elliptocytosis is a hematologic disorder characterized by elliptically shaped erythrocytes and a variable degree of hemolytic anemia. Inherited as an autosomal dominant, elliptocytosis results from mutation in any one of several genes encoding proteins of the red cell membrane skeleton. The form discussed here is the one found in the 1950s to be linked to Rh blood group and more recently shown to be caused by a defect in protein 4.1. 'Rh-unlinked' forms of elliptocytosis are caused by mutation in the alpha-spectrin gene (MIM 182860), the beta-spectrin gene (MIM 182870), or the b and 3 gene (MIM 109270).[supplied by OMIM]

Other Designations OTTHUMP00000003772|OTTHUMP00000003773|OTTHUMP00000003774|erythrocyte surface protein band 4.1

Publication Reference

- [Spectrin and Other Membrane-Skeletal Components in Human Red Blood Cells of Different Age.](#)

Ciana A, Achilli C, Minetti G.

Cellular Physiology and Biochemistry 2017 Jun; 42(3):1139.

Application: WB-Ce, Human, Human red blood cells

- [Freely turning over palmitate in erythrocyte membrane proteins is not responsible for the anchoring of lipid rafts to the spectrin skeleton: a study with bio-orthogonal chemical probes.](#)

Ciana A, Achilli C, Hannoush RN, Risso A, Balduini C, Minetti G.

Biochimica et Biophysica Acta 2013 Mar; 1828(3):924.

Application: WB-Ce, Human, Detergent-Resistant-Membranes

- [On the association of lipid rafts to the spectrin skeleton in human erythrocytes.](#)

Ciana A, Achilli C, Balduini C, Minetti G.

Biochimica et Biophysica Acta 2011 Jan; 1808(1):183.

Application: WB, Human, Human erythrocytes

Pathway

- [Tight junction](#)