## EPB41 (Phospho-Tyr660/418) Antibody

Catalog No: #11799

41.2

Package Size: #11799-1 50ul #11799-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

specific antibodies were removed by chromatogramphy using non-phosphopeptide.ApplicationsWBSpecies ReactivityHu MsSpecificityThe antibody detects endogenous levels of EPB41 only when phosphorylated at tyrosine 660/418.Immunogen TypePeptide-KLHImmunogen DescriptionPeptide sequence around phosphorylation site of tyrosine 660/418 (N-I-Y(p)-I-R)derived from Human EFTarget NameEPB41ModificationPhosphoOther NamesE41P; EPB4.1; band 4.1; P4.1;Accession No.Swiss-Prot#: P11171; NCBI Gene#: 2035; NCBI Protein#: NP_001159477.1.UniprotP11171GeneID2035;SDS-PAGE MW60kdI.omg/ml	Description		
Clonality Polyclonal   Purification Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.   Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phosphopeptide.   Applications WB   Species Reactivity Hu Ms   Specificity The antibody detects endogenous levels of EPB41 only when phosphorylated at tyrosine 660/418.   Immunogen Type Peptide-KLH   Immunogen Description Peptide sequence around phosphorylation site of tyrosine 660/418 (N-I-Y(p)-I-R)derived from Human EP   Target Name EPB41   Modification Phospho   Other Names E41P; EPB4.1; band 4.1; P4.1;   Accession No. Swiss-Prot#: P11171; NCBI Gene#: 2035; NCBI Protein#: NP_001159477.1.   Uniprot P11171   GeneID 2035;   SDS-PAGE MW 60kd   Concentration 1.0mg/ml   Formulation Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium and 50% glycerol.	Product Name	EPB41 (Phospho-Tyr660/418) Antibody	
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and 50% glycerol.	Concentration	1.0mg/ml	
	Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide	
Storage Store at -20°C/1 year		and 50% glycerol.	
	Storage	Store at -20°C/1 year	

## **Application Details**

Western blotting: 1:500~1:1000

## Images

Не	pG2 HepG2
	117
	85
EPB41 (pTyr418/660)	48 34 26 19 (kD)

Western blot analysis of extracts from HepG2 cells treated with PMA using EPB41 (Phospho-Tyr660/418) Antibody #11799.The lane on the right is treated with the antigen-specific peptide.

## Background

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, the beta-spectrin gene, or the band 3 gene. Conboy J.G., Proc. Natl. Acad. Sci. U.S.A. 83:9512-9516(1986).

Tang T.K., Adv. Exp. Med. Biol. 241:81-95(1988).

Tang T.K., Proc. Natl. Acad. Sci. U.S.A. 85:3713-3717(1988).

Note: This product is for in vitro research use only