

For Research Use Only

EPB42 Polyclonal antibody

Catalog Number: 27443-1-AP



Basic Information

Catalog Number: 27443-1-AP	GenBank Accession Number: BC096093	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 2038	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P16452	
Isotype: IgG	Full Name: erythrocyte membrane protein band 4.2	
Immunogen Catalog Number: AG23556	Observed MW: 72 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : human placenta tissue, mouse liver tissue, rat liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human placenta tissue,

Background Information

EPB42, also known as Protein 4.2, is amongst the most abundant protein components of the erythrocyte membrane, representing approximately 5% membrane content or $\sim 2.5 \times 10^5$ copies/cell. EPB42 binds to the cytoplasmic domain of band 3, which serves as a site for the anchorage of several membrane skeletal proteins (PMID: 19269200, 12049649). EPB42 is a 72 kDa peripheral membrane protein.

Storage

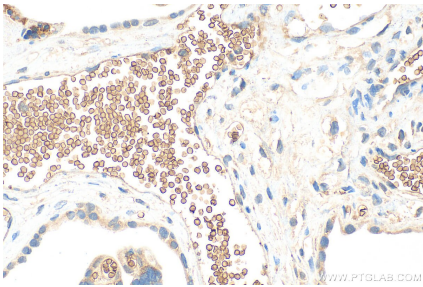
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

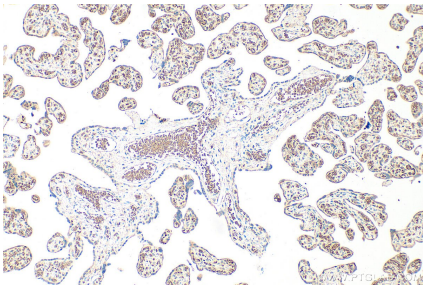
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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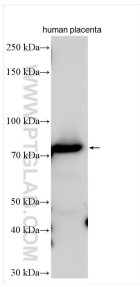
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 27443-1-AP (EPB42 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 27443-1-AP (EPB42 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 27443-1-AP (EPB42 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.