

Datasheet for ABIN1714332
anti-EPB41 antibody (pTyr418, pTyr660)



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Overview

Quantity:	100 µL
Target:	EPB41
Binding Specificity:	pTyr418, pTyr660
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPB41 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human EPB41 around the phosphorylation site of Tyr418 + Tyr660
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	EPB41
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Target Details

Alternative Name: EPB41 + ([EPB41 Products](#))

Background: Synonyms: EPB41 phospho Y418 + Y660, EPB41 phospho Tyr418 + Tyr660, p-EPB41 Y418 + Y660, p-4p-EPB41 Tyr418 + Tyr660, 4.1R, 41_HUMAN, Band 4.1, E41P, EL 1, EL1, Elliptocytosis 1, Elliptocytosis 1 RH linked, EPB 4.1, EPB 41, EPB4.1, Epb41, Erythrocyte membrane protein band 4.1 elliptocytosis 1 RH linked, Erythrocyte membrane protein band 4.1, Erythrocyte surface protein band 4.1, HE, P4.1, Protein 4.1.

Background: The 4.1 gene family encodes a group of multifunctional cytoskeletal proteins (4.1R, 4.1G, 4.1N and 4.1B), which are predominantly expressed in the nervous system. 4.1G is a protein that stabilizes spectrin-actin interactions and is associated with hereditary elliptocytosis. Red blood cell 4.1, designated 4.1R, is a multifunctional protein that is essential for maintaining erythrocyte shape and membrane mechanical properties. Both 4.1R and 4.1G are distributed in a unique pattern in the cerebellum and are believed to modulate the membrane mechanical properties of neuronal cells by promoting fodrin/actin association. 4.1N and 4.1B, designated EPB41L1 and EPB41L3, respectively, are strongly expressed in the brain. to 4.1N have been reported to detect multiple forms, each enriched in postsynaptic density preparations relative to brain homogenate. to 4.1B have been reported to detect two forms.

Gene ID: 2035

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months