abcam

Product datasheet

Anti-EPB41 antibody ab79420

製品の概要

製品名	Anti-EPB41 antibody
製品の詳細	Rabbit polyclonal to EPB41
由来種	Rabbit
アプリケーション	**適用あり:** WB, ELISA
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse
免疫原	Synthetic non-phosphopeptide derived from Human EPB41 around the phosphorylation site of tyrosine 660/418 (N-I-Y^{P}-I-R).
ポジティブ・コントロール	Extracts from HepG2 cells treated with PMA (125ng/ml, 30mins).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg^{2+} and Ca^{2+}), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab79420の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		
ELISA		

追加情報 ELISA: 1/10000.

WB: 1/500 - 1/1000. Predicted molecular weight: 97 kDa (isoform 1).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能	Protein 4.1 is a major structural element of the erythrocyte membrane skeleton. It plays a key role in regulating membrane physical properties of mechanical stability and deformability by stabilizing spectrin-actin interaction. Recruits DLG1 to membranes.
関連疾患	Defects in EPB41 are the cause of elliptocytosis type 1 (EL1) [MIM:611804]. EL1 is a Rhesus-linked form of hereditary elliptocytosis, a genetically heterogeneous, autosomal dominant, hematologic disorder. It is characterized by variable hemolytic anemia and elliptical or oval red cell shape. Defects in EPB41 are a cause of hereditary pyropoikilocytosis (HPP) [MIM:266140]. HPP is an autosomal recessive hematologic disorder characterized by hemolytic anemia, microspherocytosis, poikilocytosis, and an unusual thermal sensitivity of red cells.
配列類似性	Contains 1 FERM domain.
翻訳後修飾	Phosphorylated at multiple sites by different protein kinases and each phosphorylation event selectively modulates the protein's functions. Phosphorylation on Tyr-660 reduces the ability of 4.1 to promote the assembly of the spectrin/actin/4.1 ternary complex. O-glycosylated; contains N-acetylglucosamine side chains in the C-terminal domain.
細胞内局在	Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Nucleus.

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