

Anti-MYO9B antibody ab11098

1 References

製品の概要

製品名	Anti-MYO9B antibody
製品の詳細	Rabbit polyclonal to MYO9B
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Rat
免疫原	Synthetic peptide conjugated to KLH, corresponding to amino acids 1960-1980 of Rat MYO9B.
ポジティブ・コントロール	Rat embryonic brain extract.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
精製度	IgG fraction
特記事項(精製)	Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.
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

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アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 230 kDa.

ターゲット情報

機能	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Binds actin with high affinity both in the absence and presence of ATP and its mechanochemical activity is inhibited by calcium ions (PubMed:9490638). Also acts as a GTPase activator for RHOA (PubMed:9490638, PubMed:26529257). Plays a role in the regulation of cell migration via its role as RHOA GTPase activator. This is regulated by its interaction with the SLIT2 receptor ROBO1; interaction with ROBO1 impairs interaction with RHOA and subsequent activation of RHOA GTPase activity, and thereby leads to increased levels of active, GTP-bound RHOA (PubMed:26529257).
組織特異性	Detected in peripheral blood leukocytes (at protein level) (PubMed:9490638). Expressed predominantly in peripheral blood leukocytes and at lower levels, in thymus, spleen, testis, prostate, ovary, brain, small intestine and lung.
関連疾患	Celiac disease 4
配列類似性	Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Myosin family. Contains 4 IQ domains. Contains 1 myosin motor domain. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 Ras-associating domain. Contains 1 Rho-GAP domain.
細胞内局在	Cytoplasm, cell cortex. Cytoplasm, perinuclear region. Cytoplasm, cytoskeleton. In undifferentiated cells colocalizes with F-actin in the cell periphery while in differentiated cells its localization is cytoplasmic with the highest levels in the perinuclear region.

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