

## Product datasheet

## Anti-MYO9B antibody ab11098

1 References**概述**

产品名称	Anti-MYO9B抗体
描述	兔多克隆抗体to MYO9B
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Rat
免疫原	Synthetic peptide conjugated to KLH, corresponding to amino acids 1960-1980 of Rat MYO9B.
阳性对照	Rat embryonic brain extract.

**性能**

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
纯度	IgG fraction
纯化说明	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.
克隆	多克隆
同种型	IgG

**应用****The Abpromise guarantee****Abpromise™承诺保证使用ab11098于以下的经测试应用**

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 230 kDa.

## 靶标

<b>功能</b>	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).
<b>组织特异性</b>	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.
<b>疾病相关</b>	Celiac disease 4
<b>序列相似性</b>	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.
<b>细胞定位</b>	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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