

Anti-MYO9B antibody ab52026

1 图像

概述

产品名称	Anti-MYO9B抗体
描述	山羊多克隆抗体to MYO9B
宿主	Goat
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide: C-KNDFEPVKQSKAQ , corresponding to internal sequence amino acids 1605-1617 of Human MYO9B Run BLAST with Run BLAST with
阳性对照	Human Liver lysate.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab52026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		

应用说明

Peptide ELISA: Antibody detection limit dilution 1:2,000.

WB: Use at a concentration of 2 - 6 µg/ml. Detects a band of approximately 200 kDa (predicted molecular weight: 244 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

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).

组织特异性

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.

疾病相关

Celiac disease 4

序列相似性

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.

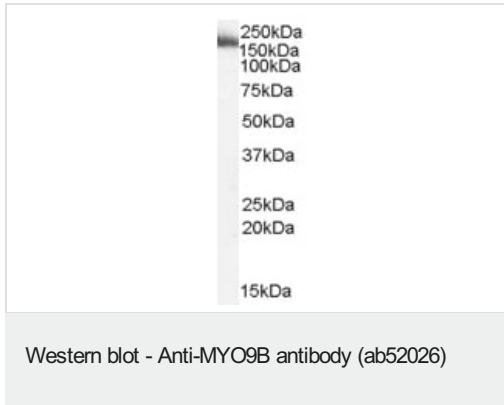
Contains 1 Ras-associating domain.

Contains 1 Rho-GAP domain.

细胞定位

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.

图片



Anti-MYO9B antibody (ab52026) at 2 µg/ml + Human Liver lysate
(35µg protein in RIPA buffer).

Predicted band size: 244 kDa

Observed band size: 200 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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