abcam

Product datasheet

Anti-Munc 13-4 antibody [EPR4914] ab109113

重组 RabMAb

3 References 3 图像

概述

产品名称	Anti-Munc 13-4抗体[EPR4914]
描述	兔单克隆抗体[EPR4914] to Munc 13-4
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB **不适用于:** ICC/IF,IHC-P or IP
种属反应性	**与反应:** Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A673, K562, HepG2, Molt-4, and RAW264.7. Flow Cyt (intra): Molt-4.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号	EPR4914
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab109113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
Flow Cyt (Intra)		1/10 - 1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 123 kDa.

应用说明 Is unsuitable for ICC/IF,IHC-P or IP.

靶标

功能 Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse. Regulates assembly of recycling and late endosomal structures, leading to the formation of an endosomal exocytic compartment that fuses with perforin-containing granules at the immunologic synapse and licences them for exocytosis. Regulates Ca(2+)-dependent secretory lysosome exocytosis in mast cells.

组织特异性 Expressed at high levels in spleen, thymus and leukocytes. Also expressed in lung and placenta, and at very low levels in brain, heart, skeletal muscle and kidney. Expressed in cytotoxic T-lymphocytes (CTL) and mast cells.

疾病相关 Defects in UNC13D are the cause of hemophagocytic lymphohistiocytosis familial type 3 (FHL3) [MIM:608898]; also known as HPLH3. Familial hemophagocytic lymphohistiocytosis (FHL) is a genetically heterogeneous, rare autosomal recessive disorder. It is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. The clinical features of the disease include fever, hepatosplenomegaly, cytopenia, hypertriglyceridemia, hypofibrinogenemia, and neurological abnormalities ranging from irritability and hypotonia to seizures, cranial nerve deficits, and ataxia. Hemophagocytosis is a prominent feature of the disease, and a non-malignant infiltration of macrophages and activated T lymphocytes in lymph nodes, spleen, and other organs is also found.

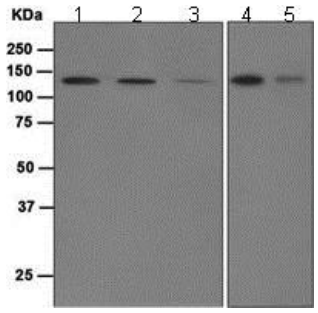
序列相似性 Belongs to the unc-13 family.
Contains 2 C2 domains.
Contains 1 MHD1 (MUNC13 homology domain 1) domain.
Contains 1 MHD2 (MUNC13 homology domain 2) domain.

结构域 The MHD1 and MHD2 domains mediate localization on recycling endosomes and lysosome.

细胞定位 Cytoplasm. Membrane. Late endosome. Recycling endosome. Lysosome. Colocalizes with cytotoxic granules at the plasma membrane. Localizes to endosomal exocytic vesicles.

形式 There are 3 isoforms produced by alternative splicing.

图片



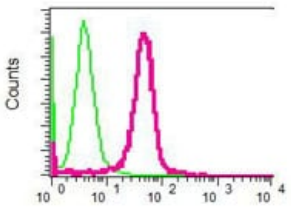
Western blot - Anti-Munc 13-4 antibody [EPR4914] (ab109113)

All lanes : Anti-Munc 13-4 antibody [EPR4914] (ab109113) at 1/1000 dilution

Lane 1 : A673 cell lysate
Lane 2 : K562 cell lysate
Lane 3 : HepG2 cell lysate
Lane 4 : Molt-4 cell lysate
Lane 5 : RAW264.7 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 123 kDa



Flow Cytometry (Intracellular) - Anti-Munc 13-4 antibody [EPR4914] (ab109113)

Intracellular flow cytometric analysis of permeabilized Molt-4 cells using ab109113 in red.

Anti-Munc 13-4 antibody [EPR4914] (ab109113)

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