abcam

Product datasheet

Anti-Munc 13-4 antibody ab15723

1 图像

概述

产品名称	Anti-Munc 13-4抗体
描述	**山羊多克隆抗体**to Munc 13-4
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide: KQASQHALRPAP, corresponding to C terminal amino acids 1079-1090 of Human Munc 13-4. Run BLAST with ExPASy Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris saline. pH 7.3
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab15723** in the following tested applications.

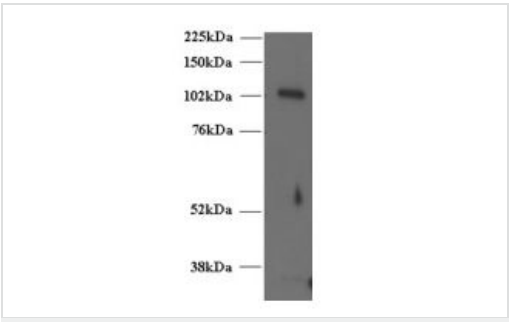
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
WB		Use a concentration of 1 - 3 µg/ml. Can be blocked with Human Munc 13-4 peptide (ab23273). Approx. 105kDa band observed in Human T-lymphocyte and HeLa lysates (calculated MW of 123kDa according to NP_954712.1)

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 - Munc 13-4 antibody (ab15723)

Anti-Munc 13-4 antibody (ab15723) at 2 µg/ml
+ Cell lysates prepared from human T
lymphocytes at 35 µg
Developed using the ECL technique

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