

Product datasheet

Anti-Myosin 1G antibody ab121657

2 图像

概述

产品名称	Anti-Myosin 1G抗体
描述	兔多克隆抗体to Myosin 1G
经测试应用	适用于: ICC/IF, IHC-P
种属反应性	与反应: Human
免疫原	antigen, corresponding to amino acids 271-356 (SVHRILAAIL HLGNIQFVET EEGGLQKEGL AVAAEEALVDH VAELTATPRD LVLRSLLART VASGGRELIE KGHTAAEASY ARDACA) of Human Myosin 1G. Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Human lymph node tissue

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab121657** 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
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment

应用	Ab评论	说明
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments.

Precursor of the minor histocompatibility antigen HA-2. More generally, minor histocompatibility antigens (mHags) refer to immunogenic peptide which, when complexed with MHC, can generate an immune response after recognition by specific T-cells. The peptides are derived from polymorphic intracellular proteins, which are cleaved by normal pathways of antigen processing. The binding of these peptides to MHC class I or class II molecules and their expression on the cell surface can stimulate T-cell responses and thereby trigger graft rejection or graft-versus-host disease (GVHD) after hematopoietic stem cell transplantation from HLA-identical sibling donor. GVHD is a frequent complication after bone marrow transplantation (BMT), due to mismatch of minor histocompatibility antigen in HLA-matched sibling marrow transplants. HA-2 is restricted to MHC class I HLA-A*0201.

组织特异性

Specifically expressed in hematopoietic cells.

序列相似性

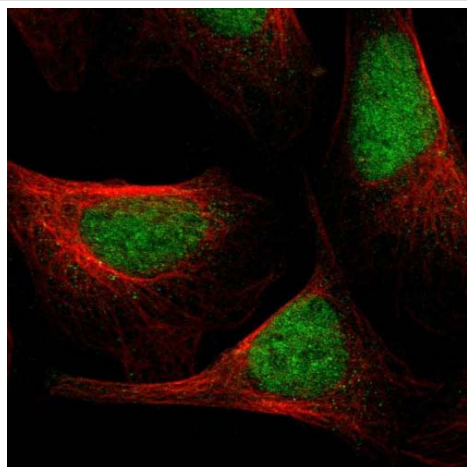
Contains 1 IQ domain.

Contains 1 myosin head-like domain.

细胞定位

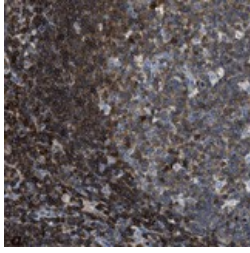
Cell membrane. Localization at the membrane is not highly dependent on phosphatidylinositol 4,5-bisphosphate levels. Released from the membrane in the presence of ATP. May be enriched in peripheral processes, such as microvilli or ruffles.

图片



Immunofluorescent staining of Human cell line U-2 OS shows positivity in nucleus but not nucleoli. Recommended concentration of ab121657 1-4 $\mu\text{g/ml}$. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-Myosin 1G antibody (ab121657)



ab121657, at 1/150 dilution, staining Myosin 1G in paraffin-embedded Human lymph node tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myosin 1G antibody (ab121657)

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