

Product datasheet

Anti-UNC5B antibody [Guido-1] ab54430

★★★★☆ 2 Abreviews 3 References 2 图像

概述

产品名称	Anti-UNC5B抗体[Guido-1]
描述	小鼠单克隆抗体[Guido-1] to UNC5B
宿主	Mouse
特异性	ab54430 recognizes UNC5B.
经测试应用	适用于: Flow Cyt, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment, corresponding to amino acids 28-363 of Human UNC5B
常规说明	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

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	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	Protein G purified
纯化说明	Greater than 95% pure (SDS-PAGE).
克隆	单克隆
克隆编号	Guido-1
同种型	IgG2b

应用

Our [Abpromise guarantee](#) covers the use of **ab54430** in the following tested applications.

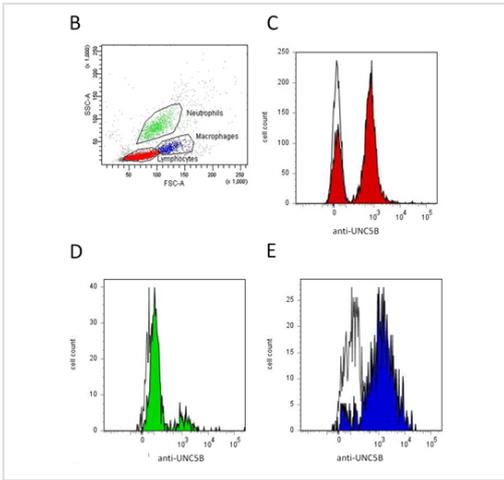
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt		Use at an assay dependent concentration. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 5 µg/ml.

靶标

功能	Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion (By similarity). Functions as netrin receptor that negatively regulates vascular branching during angiogenesis. Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin (By similarity). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (PubMed:12598906). Mediates apoptosis by activating DAPK1. In the absence of NTN1, activates DAPK1 by reducing its autoinhibitory phosphorylation at Ser-308 thereby increasing its catalytic activity.
组织特异性	Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.
序列相似性	Belongs to the unc-5 family. Contains 1 death domain. Contains 1 Ig-like (immunoglobulin-like) domain. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 2 TSP type-1 domains. Contains 1 ZU5 domain.
翻译后修饰	Phosphorylated on cytoplasmic tyrosine residues. Proteolytically cleaved by caspases during apoptosis. The cleavage does not take place when the receptor is associated with netrin ligand. Its cleavage by caspases is required to induce apoptosis. Palmitoylation is required for pro-apoptotic activity, but not for location at lipid rafts.
细胞定位	Cell membrane. Membrane raft. Associated with lipid rafts.

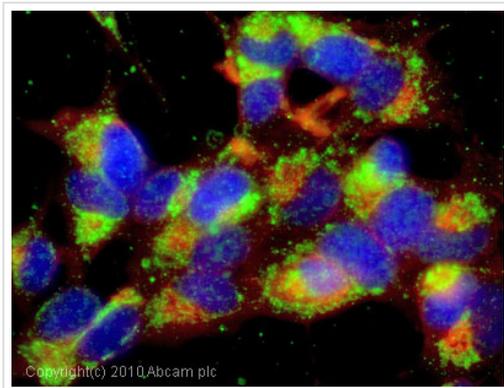
图片



Flow Cytometry - Anti-UNC5B antibody [Guido-1] (ab54430)

Image from König K et al., PLoS One. 2012;7(7):e41085. Fig 1.; doi: 10.1371/journal.pone.0041085.

ab54430 staining UNC5B in mouse erythrocytes by Flow Cytometry. Collected heparinised mouse blood was incubated with erythrocyte lysing solution for 5 minutes at room temperature. The cells were washed and incubated with the primary antibody, CD45 as a general marker for leukocytes (green) and F4/80 to label macrophages (blue).



Immunocytochemistry/ Immunofluorescence - Anti-UNC5B antibody [Guido-1] (ab54430)

ICC/IF image of ab54430 stained SHSY5Y cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab54430, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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