abcam

Product datasheet

Anti-Mannose Receptor antibody ab64693

★★★★★ 40 Abreviews 607 References 7 图像

概述

产品名称	Anti-Mannose Receptor抗体
描述	**兔多克隆抗体**to Mannose Receptor
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	**适用于:** IHC-P, WB, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Human **预测可用于:** Chimpanzee, Rhesus monkey
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1400 to the C-terminus of Human Mannose Receptor.参阅Abcam的专有抗源政策(Peptide available as **ab66694**.)
阳性对照	WB: Rat liver and lung, human lung, mouse lung tissue lysate. IHC-P: Human, rat and mouse lung tissue. ICC/IF: MOLT-4 whole cells.
常规说明	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. 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

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab64693于以下的经测试应用**

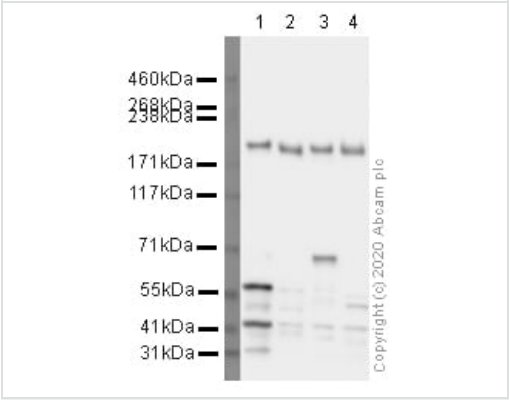
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (24)	Use a concentration of 0.05 - 0.1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. We do not recommend methanol fixation with this antibody
WB	★★★☆☆ (3)	Use a concentration of 1 µg/ml. Predicted molecular weight: 166 kDa.
ICC/IF	★★★★★ (1)	Use a concentration of 1 µg/ml. Permeabilise with Tween (0.1%)

靶标

功能	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. Acts as phagocytic receptor for bacteria, fungi and other pathogens.
序列相似性	Contains 8 C-type lectin domains. Contains 1 fibronectin type-II domain. Contains 1 ricin B-type lectin domain.
细胞定位	Membrane.

图片



Western blot - Anti-Mannose Receptor antibody (ab64693)

All lanes : Anti-Mannose Receptor antibody (ab64693) at 1 µg/ml

Lane 1 : Rat liver tissue lysate
Lane 2 : Human lung tissue lysate
Lane 3 : Rat lung tissue lysate
Lane 4 : Mouse lung normal tissue lysate - total protein (**ab29297**)

Lysates/proteins at 10 µg per lane.

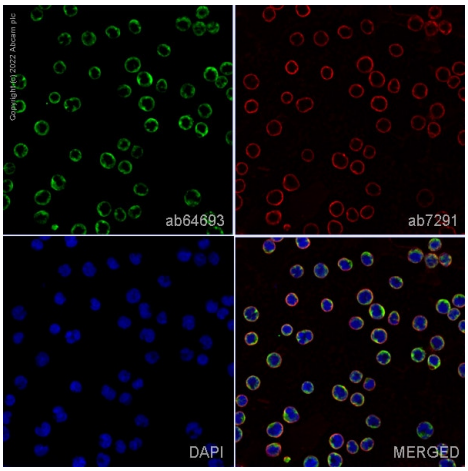
Secondary
All lanes : Peroxidase AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 166 kDa
Observed band size: 190 kDa

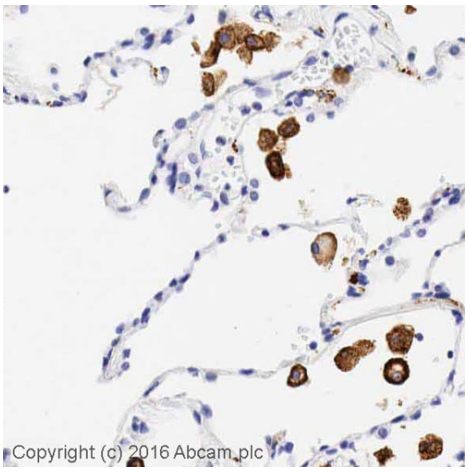
Exposure time: 4 minutes



Immunocytochemistry/ Immunofluorescence - Anti-Mannose Receptor antibody (ab64693)

ab64693 staining Mannose Receptor in MOLT4 cells. The cells were fixed with 4% Formaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab64693 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.

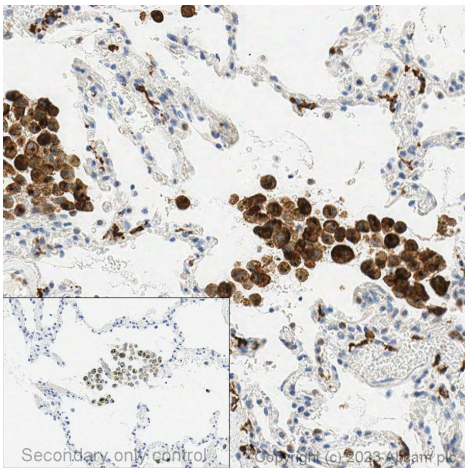


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannose Receptor antibody (ab64693)

IHC image of ab64693 staining in human lung formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab64693, 0.1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

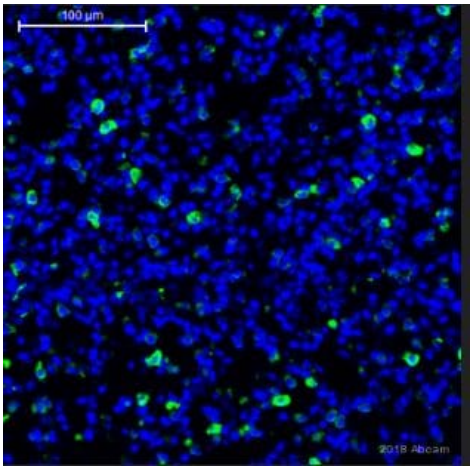
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannose Receptor antibody (ab64693)

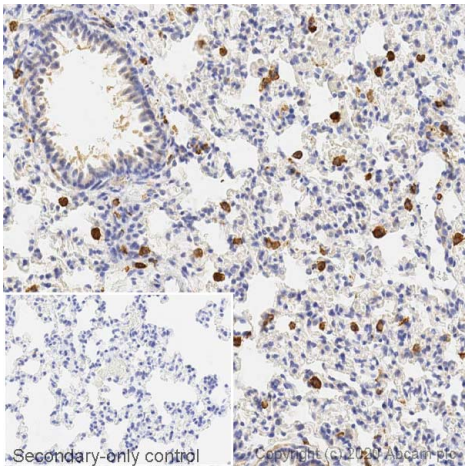
Immunohistochemical analysis of formalin fixed paraffin embedded human lung labelling mannose receptor with ab64693 at 0.1 µg/ml. The immunostaining was performed on a Ventana DISCOVERY ULTRA (Roche Tissue Diagnostics) instrument with an OptiView DAB IHC Detection Kit. Heat mediated antigen retrieval was conducted for 32min with ULTRA cell conditioning solution (CC1 pH8.5). ab64693 anti mannose receptor antibody was incubated at 37°C for 16min. Sections were counterstained is with Hematoxylin II. Image inset shows absence of staining in secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannose Receptor antibody (ab64693)

This image is courtesy of an anonymous Abreview

Paraffin embedded, formalin-fixed mouse lung tissue labelling the mannose receptor with ab64693 at 1/500 in immunohistochemical analysis. An Alexa Fluor® 647 Goat anti-rabbit IgG was used as the secondary antibody, this was artificially colored green by software to enhance stain visibility. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. 15% serum was used as blocking agent for 1 hour at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mannose Receptor antibody (ab64693)

IHC image of Mannose Receptor staining in a section of formalin-fixed paraffin-embedded normal rat lung performed on a Leica BOND™ system using the standard protocol. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab64693, 0.01ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

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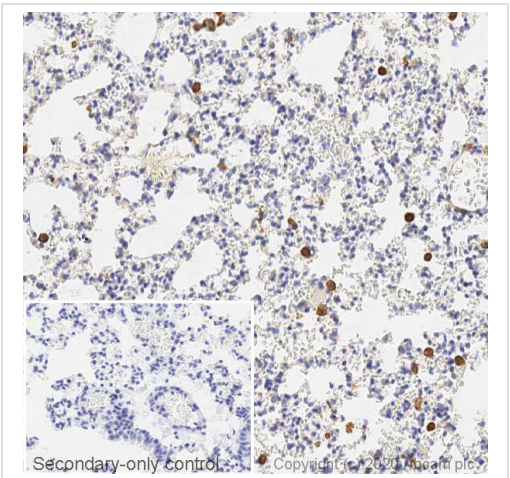

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