abcam

Product datasheet

Anti-Matrix protein 1 antibody ab20910

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概述

产品名称	Anti-Matrix蛋白1抗体
描述	**山羊多克隆抗体**to Matrix蛋白1
宿主	Goat
经测试应用	**适用于:** ICC/IF, ELISA **不适用于:** IHC
种属反应性	**与反应:** Influenza A
免疫原	Full length native protein (purified) corresponding to Matrix protein 1. Purified M1 protein, Influenza A-Phillipines (H3N2).
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
纯度	Ion Exchange Chromatography
纯化说明	>95% pure. Sodium sulfate precipitation and ion-exchange chromatography.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用**ab20910**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
ICC/IF	★★★☆☆ (1)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

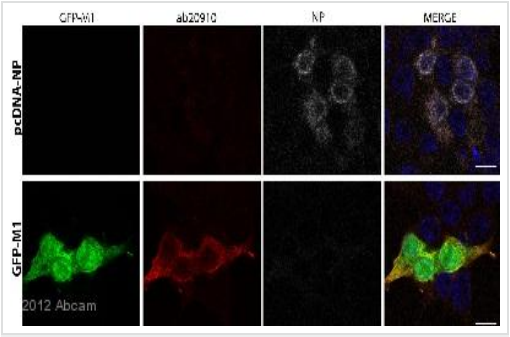
应用说明 Is unsuitable for IHC.

靶标

相关性 Influenza virus type A matrix protein, also known as M1, is composed of a 252 amino acid sequence and is type-specific in influenza viruses. It is located inside the viral lipid envelope and plays a key role in virus assembly and replication. M1 can be isolated from particles by removing the envelope with detergents and reducing the pH to 4.0. Influenza viruses are a common and widely spread infectious agent. Like many other viruses, influenza virus are constantly undergoing mutations and thereby avoiding the immune system. The Influenza A Virus M proteins form a continuous shell on the inner side of the lipid bilayer, maintaining the structural integrity of the virus particle through hydrophobic interactions.

细胞定位 Cytoplasmic

图片



Immunocytochemistry/ Immunofluorescence - Anti-Matrix protein 1 antibody (ab20910)

This image is courtesy of an abreview submitted by Maria Amorim.

Immunocytochemical immunoflurescence analysis of Formaldehyde-fixed human kidney epithelial cells, labelling Influenza A Virus M1 matrix protein with ab20910 at a dilution of 1/500 incubated fro 1 hour at 18°C in 1% FCS PBS. Blocking was with 1% serum incubated for 30 minutes at 18°C. Secondary was a donkey anti-goat Alexa Fluor® 568 undiluted. Cells were transfected with either GFP-M1 or pCDNA2-NP, as indicated on the left hand side of the figure. 24h later cells were fixed and stained for M1 using ab20910 (red) or NP using **ab20343** (grey). The abcam 20910 detected M1 in cells transfected with GFP-M1 but not pCDNA3-NP. Moreover, the level of co-localization between GFP-M1 and ab20910 was quite good.

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