

Anti-Influenza A Virus M2 Protein antibody [14C2] ab5416

★★★★★ [2 Abreviews](#) [68 References](#) [画像数 1](#)

製品の概要

製品名	Anti-Influenza A Virus M2 Protein antibody [14C2]
製品の詳細	Mouse monoclonal [14C2] to Influenza A Virus M2 Protein
由来種	Mouse
アプリケーション	適用あり: ICC
種交差性	交差種: Influenza A
免疫原	Full length protein corresponding to Influenza A Virus M2 Protein. Full length M2 protein from A/WSN/33-infected CV1 cell lysate.
エピトープ	Detects the N-terminal of the Influenza A Virus M2 Protein.
ポジティブ・コントロール	ICC/IF: Infected MDCK cells with Influenza A.
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
精製度	Protein G purified
一次抗体 備考	Influenza A virus is an enveloped virus encoding 10 polypeptides. RNA segment 7 encodes for two proteins: M1 (matrix 1) and M2 (matrix 2). M1 protein is encoded by an mRNA that is colinear, while M2 protein is synthesized from spliced mRNA. M2 protein is a transmembrane protein composed of three Domains: 1) 24 residues representing the N-terminal region, 2) 19 hydrophobic residues that serve as a membrane anchor, and 3) 54 residues near the C-terminal in the cytoplasmic domain. The M2 protein has been found to play a role in Influenza replication and

assembly of virion particles. Further experimentation has demonstrated that this protein is an acid-activated ion channel for virus replication.

ポリ/モノ	モノクローナル
クローン名	14C2
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab5416の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

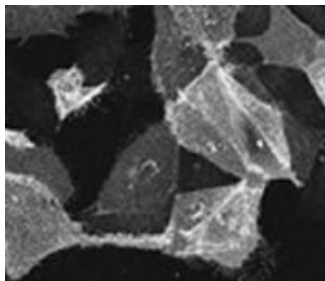
アプリケーション	Abreviews	特記事項
ICC	★★★★★ (1)	Use a concentration of 1 µg/ml.

ターゲット情報

関連性 The Matrix protein M2 forms a protons channel. When the environmental pH is lower than a threshold, the M2 channel is activated and selectively transports protons accross the membrane from the extracellular side to the cytoplasmic side. It is crucial for the uncoating process. When the virion is internalized into the endosome the channel can acidify the virion interior, promoting the dissociation of the viral matrix protein (M1) from the ribonucleoprotein (RNP) thus allowing the transport of the RNP from the virion into the cell's nucleus. For some influenza virus subtypes, the M2 channel can elevate the intravesicular pH of the trans Golgi network, preventing the viral protein haemagglutinin, which is transported to the cell surface through the trans Golgi network, from incorrect maturation in an otherwise low pH environment.

細胞内局在 Virion membrane. Apical cell membrane; Single-pass type III membrane protein.

画像



Immunofluorescence staining of infected dog MDCK cells using ab5416.

Immunocytochemistry - Anti-Influenza A Virus M2
Protein antibody [14C2] (ab5416)

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