

Datasheet for ABIN739059

**anti-Influenza A Matrix Protein 2 antibody (Influenza A Virus)
(AA 2-60)**[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Influenza A Matrix Protein 2 (M2)
Binding Specificity:	AA 2-60
Reactivity:	Influenza A Virus, Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Influenza A virus H5N1 Matrix Protein-2
Isotype:	IgG
Specificity:	This antibody will recognize many Influenza A virus strains
Cross-Reactivity:	Virus
Cross-Reactivity (Details):	Influenza A virus
Purification:	Purified by Protein A.

Target Details

Target:	Influenza A Matrix Protein 2 (M2)
Alternative Name:	Influenza A virus Matrix Protein 2 (M2 Products)
Target Type:	Influenza Protein
Background:	<p>Synonyms: Avian influenza Matrix Protein-2, Influenza A virus H7N7 H9N2 H13N6 H16N3 H1N1 N2N1 H3N2 H2N2</p> <p>Background: Forms a proton-selective ion channel that is necessary for the efficient release of the viral genome during virus entry. After attaching to the cell surface, the virion enters the cell by endocytosis. Acidification of the endosome triggers M2 ion channel activity. The influx of protons into virion interior is believed to disrupt interactions between the viral ribonucleoprotein (RNP), matrix protein 1 (M1), and lipid bilayers, thereby freeing the viral genome from interaction with viral proteins and enabling RNA segments to migrate to the host cell nucleus, where influenza virus RNA transcription and replication occur. Also plays a role in viral proteins secretory pathway. Elevates the intravesicular pH of normally acidic compartments, such as trans-Golgi network, preventing newly formed hemagglutinin from premature switching to the fusion-active conformation</p>

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months