

Datasheet for ABIN739061

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

Overview

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| 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: | Biotin |
| Application: | ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------------|---|
| 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

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|---------|-----------------------------------|
| Target: | Influenza A Matrix Protein 2 (M2) |
|---------|-----------------------------------|

Target Details

| | |
|-------------------|--|
| 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

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| Application Notes: | IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |