
H5N1-M2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250681

Unit: 0.1 mg

Description:

Avian influenza Matrix Protein-2 (H5N1-M2) 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. The M2 protein from most influenza A strains is inhibited by amantadine and rimantadine, resulting in viral uncoating incapacity.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: Vs

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Avian influenza Matrix Protein-2; Matrix protein 2; Proton channel protein M2; H5N1; H5N1-M2; Influenza A virus

Accession No.: O70632

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of influenza A virus matrix protein 2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.