

H1N1 Matrix Protein 1 Rabbit pAb

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Catalog # AP58234

Product Information

Predicted Host	Influenza A virus H1N1
Clonality	Rabbit
Physical State	Polyclonal
Immunogen	Liquid
Epitope Specificity	KLH conjugated synthetic peptide derived from H1N1 Matrix Protein 1
Isotype	51-130/252
Purity	IgG
Buffer	affinity purified by Protein A
SUBCELLULAR LOCATION	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	Virion membrane. Host apical cell membrane; Single-pass type III membrane protein. Note=Abundantly expressed at the apical plasma membrane in infected polarized epithelial cells, in close proximity to budding and assembled virions. Minor component of virions (only 16-20 molecules/virion).
Background Descriptions	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
	Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species jumping ability.

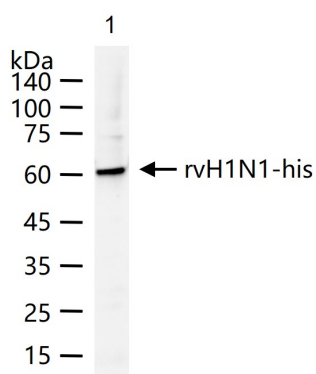
Additional Information

Other Names	Matrix protein 1 {ECO:0000255 HAMAP-Rule:MF_04068}, M1 {ECO:0000255 HAMAP-Rule:MF_04068}, M {ECO:0000255 HAMAP-Rule:MF_04068}
Dilution	ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Images



20 ng Influenza A virus H1N1 Nucleoprotein, C-His (AP58234) per lane probed with H1N1 Matrix Protein 1 polyclonal antibody respectively, unconjugated (AP58234) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.