Swine H1N1 Nucleocapsid Protein Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 254265
Unit: 0.1 mg

Description:
Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. In early 2009, a novel swine-origin influenza A (H1N1) virus (S-OIV) was identified in specimens obtained from patients in Mexico and the United States. The influenza A virus polymerase transcribes and replicates eight virion RNA (vRNA) segments, among which the nucleocapsid protein (NP), thought to control whether mRNA or cRNA is produced. The nucleoprotein (NP), which has multiple functions during the virus life cycle, possesses regions that are highly conserved among influenza A, B, and C viruses. It was recently found several NP mutations that affected the efficient incorporation of multiple viral-RNA (vRNA) segments into progeny virions even though a single vRNA segment was incorporated efficiently. This indicates that the respective conserved amino acids in NP may be critical for the assembly and/or incorporation of sets of eight vRNA segments. This antibody is specific for the swine-origin H1N1 influenza NP and will not recognize the corresponding NP from the seasonal H1N1 influenza (A/Brisbane/97/2007 (H1N1)).

Isotype: Rabbit Ig
Applications: E
Species Reactivity: Vs
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Swine-Origin Influenza A (H1N1) Nucleocapsid Protein; NP; Swine flu NP
Accession No.: ACQ76305

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the Swine H1N1 Nucleocapsid Protein.
Application Notes: E: 1:500-1:1,000

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.