
Swine H1N1 Nonstructural Protein 1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254128

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. One of the less studied proteins encoded by, but not incorporated in, the influenza virus is the nonstructural protein (NS) 1. NS1 counters cellular antiviral activities and acts as a virulence factor. It can bind to double-stranded RNA and sequester it from 2'-5' OAS, preventing the activation of the RNase L, which normally acts to degrade RNA and prevent virus replication. NS1 also binds to and inhibits the anti-viral protein kinase PKR. This antibody is specific for the Swine-Origin H1N1 influenza NS1 and will not recognize the corresponding NS1 sequence from the seasonal H1N1 influenza (A/South Australia/51/2005 (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)

Nonstructural Protein 1; NS1; S-OIV NS1

Accession No.: ACP41110

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the Swine H1N1 Nonstructural Protein 1.

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.