Datasheet for ABIN6990674

anti-Influenza A NS1 antibody (C-Term)

Go to Product page

Overview

Quantity:	0.1 mg
Target:	Influenza A NS1 (NS1)
Binding Specificity:	C-Term
Reactivity:	Avian Influenza Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Influenza A NS1 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Avian Influenza Nonstructural Protein 1 antibody was raised against a synthetic peptide corresponding to 14 amino acids at the carboxy terminus of the Avian Influenza Nonstructural Protein 1 protein. Efforts were made to use relatively conserved regions of the viral sequence as the antigen. The immunogen is located within the last 50 amino acids of Avian Influenza Nonstructural Protein 1.
Isotype:	IgG
Purification:	Avian Influenza Nonstructural Protein 1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Influenza A NS1 (NS1)

Target Details

Alternative Name:	Avian Influenza Nonstructural Protein 1 (NS1 Products)
Target Type:	Influenza Protein
Background:	Avian Influenza Nonstructural Protein 1 Antibody: Influenza A virus is a major public health threat, killing more than 30, 000 people per year in the USA. 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, including the so-called "avian flu" or H5N1, can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. 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.
UniProt:	Q2L6Z3

Application Details

Application Notes:	Avian Influenza Nonstructural Protein 1 antibody can be used for the detection of the avian influenza nonstructural protein 1 protein from influenza A in ELISA.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Avian Influenza Nonstructural Protein 1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	Avian Influenza Nonstructural Protein 1 antibody can be stored at 4°C for three months and -

Handling

20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.