

Rabbit anti-Virus Swine H1N1 Hemagglutinin Polyclonal Antibody | anti-HA antibody

Swine H1N1 Hemagglutinin Antibody

CATALOG # AAA305379	HOST Rabbit	REACTIVITY Virus	APPLICATIONS Western Blot, ELISA
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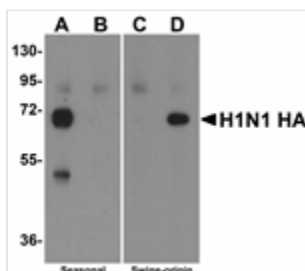
PRODUCT SYNONYMS

Swine H1N1 Hemagglutinin; Polyclonal Antibody; Swine H1N1 Hemagglutinin Antibody; Swine-Origin Influenza A (H1N1) Hemagglutinin Antibody; Swine-Origin Influenza A (H1N1) Hemagglutinin; S-OIV A Hemagglutinin; Swine flu H1; HA; anti-HA antibody

PRODUCT SPECIFICATIONS

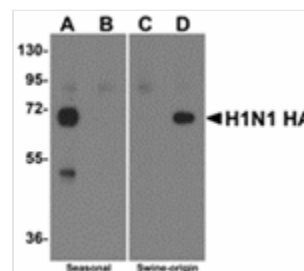
Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Specificity	This antibody is specific for the novel swine influenza Hemagglutinin and will not recognize the corresponding Hemagglutinin sequence from the seasonal H1N1 influenza (A/Brisbane/59/2007 (H1N1)). Will not cross-react with peptide corresponding to the seasonal H1N1 Hemagglutinin.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	566
Applicable Applications for anti-HA antibody	WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide from the novel swine influenza Hemagglutinin protein. The peptide sequence is unique from the peptide sequence for product 5241 and 5233. This antibody is a cognate pair with product 5235.
Target Name	Swine H1N1 Hemagglutinin
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES



ELISA

ELISA results using Swine H1N1 Hemagglutinin antibody at 1 ug/mL and the blocking and corresponding peptides at 50, 10, 2 and 0 ng/mL.



WB (Western Blot)

Western blot analysis of Hemagglutinin using recombinant seasonal Hemagglutinin (lanes A & B) and swine-origin Hemagglutinin (lanes C & D) with anti-seasonal Hemagglutinin antibody (5235) at 2 ug/mL (lanes A & C) and anti-swine-origin Hemagglutinin antibody (5237) at 2 ug/mL (lanes B & D).

ADDITIONAL INFORMATION

Related Product Information for anti-HA antibody	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 was identified in specimens obtained from patients in Mexico and the United States. The virus spread quickly around the world and on June 11, 2009, the World Health Organization declared it a pandemic. Influenza A virus has one of sixteen possible Hemagglutinin (HA) surface proteins and one of nine possible Neuraminidase (NA) surface proteins. The Hemagglutinin protein facilitates viral attachment while Neuraminidase is involved in viral release. These proteins also elicit immune responses that prevent infection or independently reduce viral replication. The genetic make-up of this swine flu virus is unlike any other: it is an H1N1 strain that combines a triple assortment first identified in 1998 including human, swine, and avian influenza with two new pig H3N2 virus genes from Eurasia, themselves of recent human origin. The distinct antigenic properties of the new swine virus compared with seasonal influenza A (H1N1) virus suggest that human immunity against new swine influenza virus is limited, although the age distribution of reported cases suggests some degree of protection in older age groups.
Product Categories/Family for anti-HA antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	229535834
Molecular Weight	63,236 Da
NCBI Official Full Name	hemagglutinin
UniProt Protein Name	Hemagglutinin
UniProt Gene Name	HA
UniProt Entry Name	C4AL34_9INFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/swine-h1n1-hemagglutinin-antibody-western-blot-elisa/305379>