

# Influenza A H3N2 Hemagglutinin antibody

Catalog Number: ATGA0224

## PRODUCT INFORMATION

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**Catalog number**

ATGA0224

**Clone No.**

AT1B7

**Product type**

Monoclonal Antibody

**UnitProt No.**

C6KNH7

**NCBI Accession No.**

ACS71642.1

**Alternative Names**

Hemagglutinin, Influenza A virus (A/Perth/16/2009(H3N2) segment 4 hemagglutinin (HA) gene

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Influenza A

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant Influenza A H3N2/HA (17-345aa) purified from Baculovirus

**Isotype**

IgG1 kappa

**Purification Note**

By protein-G affinity chromatography

**Application**

ELISA, WB

**Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

**Storage**

# Influenza A H3N2 Hemagglutinin antibody

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

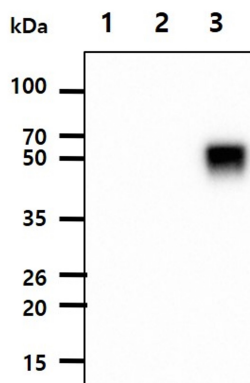
Influenza A virus subtype H3N2, an enveloped virus of the Orthomyxoviridae family, is a respiratory infection in birds and mammals, and is an important cause of human influenza. In birds, humans, and pigs, the virus has mutated into many strains. Its derives from the forms of the two kinds of proteins on the surface of its coat, hemagglutinin (HA) and neuraminidase (NA). Influenza A viruses are further classified into 16HA (H1-H16) and 9NA (N1-N9) serotypes based on the antigenic characteristics of HA and NA envelop glycoprotein. The extent of infection into host organisms are determined by HA, which interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues.

### General References

Thomas H., et al. (2011) *Ann N Y Acad Sci* 1217: 178-190.  
Wilson I.A., Cox N.J. (1990) *Annu Rev Immunol* 8: 737-771.  
Cheng X., et al. (2012) *Virology* 432(1): 91-98.

## DATA

### Western blot analysis (WB)



The recombinant proteins (100ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-Influenza A H3N2/HA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: H1N1 recombinant protein 100ng  
Lane 2.: H5N1 recombinant protein 100ng  
Lane 3.: H3N2 recombinant protein 100ng