

Datasheet for ABIN398948

**anti-Influenza Polymerase Acidic antibody (AA 250-300)**[Go to Product page](#)

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## Overview

Quantity:	200 µg
Target:	Influenza Polymerase Acidic (PA)
Binding Specificity:	AA 250-300
Reactivity:	Influenza A Virus H1N1
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Influenza Polymerase Acidic antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	KLH-coupled synthetic peptide from AA 250-300 of Influenza A virus PA protein (Genbank: CY040004).
Isotype:	IgG
Specificity:	H1N1 PA Antibody detects influenza A (H1N1) PA protein.
Purification:	Immunoaffinity chromatography.

## Target Details

Target:	Influenza Polymerase Acidic (PA)
Alternative Name:	H1N1 PA ( <a href="#">PA Products</a> )
Target Type:	Influenza Protein

## Target Details

Background:	<p>Influenza A (H1N1) virus, a subtype of influenza virus A, is the most common cause of influenza (flu) in humans. A strain of swine-origin H1N1 was responsible for the 2009 flu pandemic. The Influenza A (H1N1) RNA polymerase consists of one part each of three subunits, PB1, PB2, and PA. PA is a subunit of RNA-dependent RNA polymerase that is essential for cRNA-dependent vRNA synthesis.</p> <p><b>H1N1 PA Antibody</b> is developed in rabbit using a KLH-coupled synthetic peptide from residues 250-300 of Influenza A virus PA protein (Genbank: CY040004).</p>
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## Application Details

Application Notes:	<p>Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.</p> <p>Western blot: 0.5-1 µg/mL. Other Applications: user-optimized</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	<p>WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.</p>
Storage:	4 °C/-20 °C
Storage Comment:	<p>The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.</p>

Publications

Product cited in: Wang, Luo, Che, Li, Gao, Yang, Zhou, Gao, Wang, Liang, Zhang: "Placental protein 14 as a potential biomarker for diagnosis of preterm premature rupture of membranes." in: **Molecular medicine reports**, Vol. 18, Issue 1, pp. 113-122, (2018) ([PubMed](#)).

Zhang, Abudula, Awuti, Wang, Aihemaiti, Tusung, Sulaiman, Upur: "Plasma proteins as potential targets of abnormal Savda syndrome in asthma patients treated with unique Uighur prescription." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 1, pp. 267-275, (2017) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** Western blot analysis of H1N1 PA recombinant protein at different concentration using H1N1 PA Antibody (ABIN398949, 1 µg/mL) The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 133 KD Observed Size: 133 KD