Datasheet for ABIN7595320

anti-Neuraminidase antibody

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Overview

Quantity:	500 µg
Target:	Neuraminidase (NA)
Reactivity:	Influenza A Virus
Virus Strain:	A/Chicken/Scotland/1959
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuraminidase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Rabbit antibody to Influenza A virus Neuraminidase (40...390)
Immunogen:	A chimeric recombinant Neuraminidase from Influenza A virus NA (strain A/Chicken/Scotland/1959 H5N1) containing regions 40-80 140-175 190-230 245-278 and 361-390 was used as the antigen.
Isotype:	IgG
Specificity:	Specific for Influenza A virus NA.
Cross-Reactivity:	Influenza A Virus
Purification:	Purified IgG

Target Details

Target:	Neuraminidase (NA)
Alternative Name:	Neuraminidase (NA Products)
Target Type:	Influenza Protein
Background:	Function: Catalyzes the removal of terminal sialic acid residues from viral and cellular glycoconjugates. Cleaves off the terminal sialic acids on the glycosylated HA during virus budding to facilitate virus release. Additionally helps virus spread through the circulation by further removing sialic acids from the cell surface. These cleavages prevent self-aggregation and ensure the efficient spread of the progeny virus from cell to cell. Otherwise infection would be limited to one round of replication. Described as a receptor-destroying enzyme because it cleaves a terminal sialic acid from the cellular receptors. May facilitate viral invasion of the upper airways by cleaving the sialic acid moieties on the mucin of the airway epithelial cells. Likely to plays a role in the budding process through its association with lipid rafts during intracellular transport. May additionally display a raft-association independent effect on budding. Plays a role in the determination of host range restriction on replication and virulence. Sialidase activity in late endosome/lysosome traffic seems to enhance virus replication.

Application Details

Application Notes:	IHC WB ELISA. A dilution of 1 : 1000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8C for a shorter term.
Expiry Date:	12 months