



# Rabbit Anti-IBV Nucleoprotein Polyclonal Antibody (CABT-NS1409)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	IBV Neuraminidase
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the N-terminus region of Influenza B virus Nucleoprotein (B/Taiwan/753/2005). The exact sequence is proprietary.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	IBV
<b>Purification</b>	Antigen-affinity chromatography
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB, ICC/IF, ELISA, sELISA
<b>Format</b>	Liquid
<b>Concentration</b>	0.4 mg/ml
<b>Size</b>	100 µL, 25 µL
<b>Buffer</b>	PBS PH7.0, 20% Glycerol
<b>Preservative</b>	0.025% Proclin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

# BACKGROUND

<b>Introduction</b>	<p>Influenza B virus is the only species in the genus Betainfluenzavirus in the virus family Orthomyxoviridae.</p> <p>Influenza B virus is known only to infect humans and seals. This limited host range is apparently responsible for the lack of associated influenza pandemics in contrast with those caused by the morphologically similar influenza A virus as both mutate by both antigenic drift and reassortment. There are two known circulating lineages of Influenza B virus based on the antigenic properties of the surface glycoprotein hemagglutinin. The lineages are termed B/Yamagata/16/88-like and B/Victoria/2/87-like viruses. The quadrivalent influenza vaccine licensed by the CDC is currently designed to protect against both co-circulating lineages and has been shown to have greater effectiveness in prevention of influenza caused by Influenza B virus than the previous trivalent vaccine.</p> <p>The Influenza B virus genome is 14,548 nucleotides long and consists of eight segments of linear negative-sense, single-stranded RNA. The multipartite genome is encapsidated, each segment in a separate nucleocapsid, and the nucleocapsids are surrounded by one envelope.</p>
<b>Keywords</b>	Influenzavirus B neuraminidase; NA; Neuraminidase