



Rabbit Anti-IAV H1N1 (A/New Caledonia/20/1999) NP Polyclonal Antibody (CABT-CS808)

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

PRODUCT INFORMATION

Specificity	Reacts with human and avian Nucleocapsid protein NP (H1N1). Cross-reactivity to most NP from other subtypes.
Target	H1N1 NP
Immunogen	in vivo expressed Nucleocapsid Protein (H1N1) (A/New Caledonia/20/ 1999) (GenBank No. ABF21286)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	IAV
Purification	Immunoaffinity chromatography
Conjugate	unconjugated
Applications	WB, ELISA
Format	Liquid
Concentration	2 mg/mL
Size	100 µg
Buffer	PBS
Preservative	None

Storage

Store at -20°C; Stable for 6-months from the date of shipment when kept at -4°C.
Nonhazardous. No MSDS required.

BACKGROUND

Introduction

Influenza virus NP is a major structural protein in virus particles and has multiple functions in the viral infectious cycle. It is a basic protein rich in arginine with a net positive charge of +14 at pH 6.5. In vitro it binds to RNA nonspecifically, yet in vivo NP binds only to complete cRNA (plus polarity) and vRNA (minus polarity), forming cRNP and vRNP, respectively, and does not bind to viral mRNA (plus polarity) possessing 5' cap and 3' poly(A) sequences.

Keywords

Influenzavirus A; Influenza A virus; Influenza A virus H1N1; H1N1; IAV H1N1; IAV H1N1 Nucleoprotein; IAV H1N1 NP; H1N1 Nucleoprotein; H1N1 N Protein
