

Rabbit Influenza A virus Nucleoprotein Polyclonal Antibody | anti-NP antibody

Rabbit anti-Influenza A virus Nucleoprotein polyclonal Antibody

CATALOG # AAA118050	HOST Rabbit	REACTIVITY Influenza A virus	APPLICATIONS ELISA
-------------------------------	-----------------------	--	------------------------------

PRODUCT SYNONYMS

Influenza A virus Nucleoprotein; Polyclonal Antibody; Rabbit anti-Influenza A virus Nucleoprotein polyclonal Antibody; Nucleoprotein (Nucleocapsid protein) (Protein N); NP; anti-NP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Influenza A virus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Sequence Length	498
Applicable Applications for anti-NP antibody	ELISA
Conjugate	Non-conjugated
Research Area	Microbiology
Target Names	NP
Immunogen	Recombinant Influenza A virus Nucleoprotein protein (1-498AA)
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-NP antibody	Encapsidates the negative strand viral RNA, protecting it from nucleases. The encapsidated genomic RNA is termed the ribonucleoprotein (RNP) and serves as template for transcription and replication. The RNP needs to be localized in the nucleus to start an infectious cycle, but is too large to diffuse through the nuclear pore complex. NP comprises at least 2 nuclear localization signals and is responsible of the active RNP import into the nucleus through the cellular importin alpha/beta pathway. Later in the infection, nucleus export of RNP are mediated through viral proteins NEP interacting with M1 which binds nucleoproteins. It is possible that the nucleoprotein binds directly exportin-1 (XPO1) and plays an active role in RNP nuclear export. M1 interaction with RNP seems to hide nucleoprotein's nuclear localization signals. Soon after a virion infects a new cell, M1 dissociates from the RNP under acidification of the virion driven by M2 protein. Dissociation of M1 from RNP unmask nucleoprotein's nuclear localization signals, targeting the RNP to the nucleus.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	8486130
-----------	---------

NCBI GeneID	956531
NCBI Accession #	NP_040982.1
NCBI GenBank Nucleotide #	NC_002019.1
UniProt Accession #	P03466 ; Q20N34 ; Q58NB3 ; Q67228 ; Q80AB4 ; AAA43467
NCBI Official Full Name	nucleocapsid protein
NCBI Official Symbol	NP
NCBI Protein Information	nucleocapsid protein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	NP
UniProt Synonym Gene Names	Protein N
UniProt Entry Name	NCAP_I34A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/influenza-a-virus-nucleoprotein-antibody-elisa/118050>