

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody

Hepatitis Virus A59 Nonstructural Protein 9 Antibody
Catalog # ASR4178

Specification

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Product Information

Host	Mouse
Conjugate	Unconjugated
Target Species	Hepatitis Virus
Reactivity	Mouse
Clonality	Monoclonal
Application	WB, I, LCI
Application Note	This antibody has been tested for use in immunofluorescence microscopy and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 13 kDa in size corresponding to mature MHV-A59 nsp9 by western blotting in the appropriate cell lysate or extract. For immunofluorescence microscopy, Vero-E6 cells were grown on glass slides followed by infection with MHV-A59 strain and fixation with PBS/3% PFA. After washing and permeabilization of the fixed cells, antibody incubation was performed in PBS/5% FCS for 30 min.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This antibody was produced in mice by repeated immunizations with E.coli derived full-length MHV-A59 nsp9 protein. This protein is part of the viral replicase polyprotein.
Preservative	0.01% (w/v) Sodium Azide

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Additional Information

Gene ID 1489749

Other Names
1489749

Purity

This antibody is directed against the MHV-A59 nsp9 protein. This product was purified from tissue culture supernatant fluid by Protein A chromatography. No cross reactivity occurs with SARS CoV

nsp9. Cross reactivity with homologues from other sources has not been tested.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

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

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Protein Information

Name 1a

Function

The papain-like proteinase 1 (PL1-PRO) and papain-like proteinase 2 (PL2-PRO) are responsible for the cleavages located at the N-terminus of the replicase polyprotein. In addition, PLP2 possesses a deubiquitinating/deISGylating activity and processes both 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains from cellular substrates. Antagonizes innate immune induction of type I interferon by blocking the phosphorylation, dimerization and subsequent nuclear translocation of host IRF-3 (By similarity).

Cellular Location

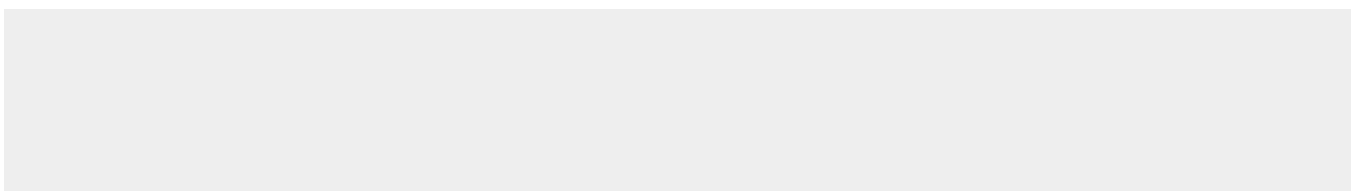
[Papain-like protease nsp3]: Host membrane; Multi-pass membrane protein [Non-structural protein 6]: Host membrane; Multi-pass membrane protein [Non-structural protein 8]: Host cytoplasm, host perinuclear region. Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes [Non-structural protein 10]: Host cytoplasm, host perinuclear region. Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes

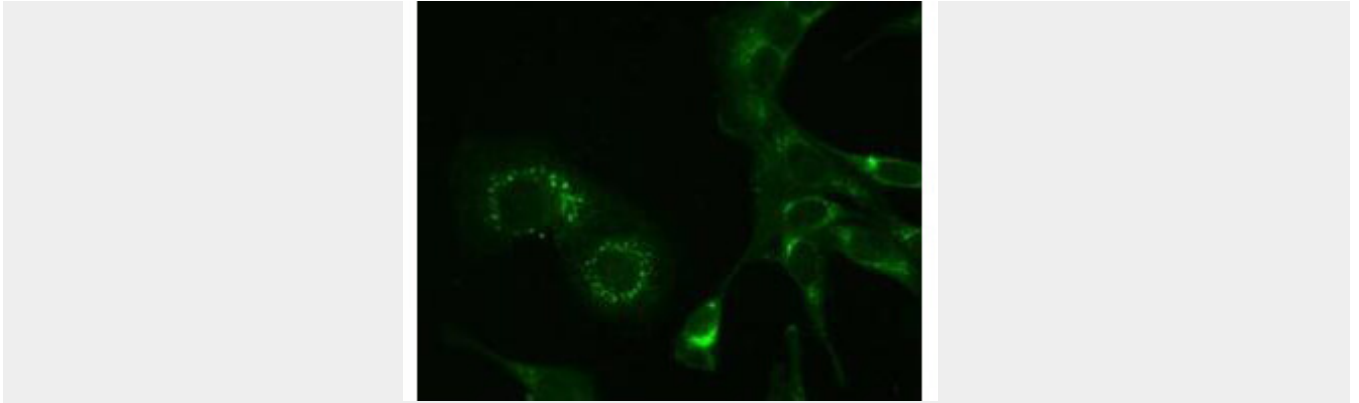
Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Images





Immunofluorescence microscopy using Rockland Immunochemical's anti-MHV-A59 nsp9 antibody, 6-h post infection in mouse L cells. Cells were fixed in 3% para-formaldehyde. For detection Cy2 conjugated Goat-anti-Mouse IgG MX10 (610-111-121) was used. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.

Anti-Hepatitis Virus (Strain A59) Nonstructural Protein 9 (nsp9) (MOUSE) Monoclonal Antibody - Background

The nonstructural protein 9 (nsp9) is one of the Mouse hepatitis virus replicase cleavage products, encoded by ORF1a. Nsp9 is an RNA-binding protein that is thought to be part of the viral replication complex, which is associated with intracellular membranes.