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[Primary Antibody]

Rabbit Anti-Hepatitis C Virus genotype 1a NS5 antibody

Catalog Number: SL15456R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Hepatitis C Virus genotype 1a NS5
Immunogen:	KLH conjugated synthetic peptide derived from Hepatitis C Virus genotype 1a NS5 : 1-50/74
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Hepatitis C Virus genotype 1a)
Predicted MW.:	7.9kDa
Background:	No data available. **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). The main proteinase 3CL-PRO is responsible for the majority of cleavages as it cleaves the C-terminus of replicase polyprotein at 11 sites. Recognizes substrates containing the core sequence [ILMVF]-Q-|-[SGACN]. Inhibited by the substrate-analog Cbz-Val-Asn-Ser-Thr-Leu-Gln-CMK. Also contains an ADP-ribose-1''-phosphate (ADRP)-binding function (By similarity). Nsp7-nsp8 hexadecamer may possibly confer processivity to the polymerase,

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	maybe by binding to dsRNA or by producing primers utilized by the latter (By similarity). Nsp9 is a ssRNA-binding protein (By similarity). **Subunit:** 3CL-PRO exists as monomer and homodimer. Eight copies of nsp7 and eight copies of nsp8 assemble to form a heterohexadecamer. Nsp9 is a dimer. Nsp10 forms a dodecamer (By similarity). **Subcellular Location:** Non-structural protein 3: Host membrane; Multi-pass membrane protein (Potential). Non-structural protein 4: Host membrane; Multi-pass membrane protein (Potential). Non-structural protein 6: Host membrane; Multi-pass membrane protein (Potential). Non-structural protein 7: Host cytoplasm, host perinuclear region (By similarity). Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes. Non-structural protein 8: Host cytoplasm, host perinuclear region (By similarity). Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes. Non-structural protein 8: Host cytoplasm, host perinuclear region (By similarity). Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes. Non-structural protein 8: Host cytoplasm, host perinuclear region (By similarity). Note=nsp7, nsp8, nsp9 and nsp10 are localized in cytoplasmic foci, largely perinuclear. Late in infection, they merge into confluent complexes. **Post-translational modifications:** Specific enzymatic cleavages in vivo by its own proteases yield mature proteins. 3CL-PRO and PL-PRO proteinases are autocatalytically processed (By similarity). **Similarity:** Belongs to the coronaviruses polyprotein 1ab family. Contains 1 Macro domain. Contains 2 peptidase C16 domains. Contains 1 peptidase C30 domain. **Database links:** UniProtKB/Swiss-Prot: P0C6U5.1

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