

## HCV-NS3 Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 250686

**Unit:** 0.1 mg

**Description:**

Hepatitis C virus (HCV) helicase (non-structural protein 3, NS3) is involved in HCV genome replication and is considered a target for inhibition of HCV. Protease NS2-3 is a cysteine protease responsible for the autocatalytic cleavage of NS2-NS3. The protease is self-inactivated following maturation. NS3 has three enzymatic activities: serine protease, NTPase and RNA helicase. NS3 serine protease in association with NS4A is responsible for the cleavages of NS3-NS4A, NS4A-NS4B, NS4B-NS5A and NS5A-NS5B. NS3/NS4A complex also prevents phosphorylation of human IRF3, thus preventing the establishment of dsRNA induced antiviral state. NS3 RNA helicase binds to RNA and unwinds dsRNA in the 3' to 5' direction, and likely RNA stable secondary structure in the template strand. NS3 cleaves and inhibits the host antiviral protein MAVS.

**Isotype:** Rabbit Ig

**Applications:** E, IHC, WB

**Species Reactivity:** H, Vs

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1 mg/ml BSA, 25% glycerol with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

**Alternate Names:** Genome polyprotein hepatitis virus C; Helicase NS3; Non-structural protein 3; Hepacivirin; NS3P; p70

**Accession No.:** P26663

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of HCV-NS3.

**Application Notes:** E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.