HepC NS4b (2H1): sc-52416

**BACKGROUND**

Hepatitis C virus (HCV), the major causative agent of chronic and sporadic non-A, non-B hepatitis worldwide, and GBV-C or hepatitis G virus (HGV), which is closely related to HCV, are members of the hepacivirus genus of the flaviviridae family. Nonstructural (NS) proteins of HCV play major roles in viral replication and the pathogenesis of liver diseases. HCV non-structural proteins, including NS5a, form a large multiprotein replication complex, which directs the replication of the HCV genome. The NS5a nonstructural protein of HCV has been shown to inhibit the cellular interferon (IFN)-induced protein kinase R (PKR). The nonstructural protein 5b (NS5b) of HCV is an RNA-dependent RNA polymerase (RdRp) which plays an essential role in viral RNA replication. The NS3 protein of hepatitis C virus (HCV) contains protease and RNA helicase activities, both of which are likely to be essential for HCV propagation. The HCV NS3 protease is responsible for the cleavage of the HGV polyprotein at four different locations. The small proteins NS2a, NS2b, NS4a and NS4b are hydrophobic, suggesting a possible membrane-related function.

**REFERENCES**


**SOURCE**

Hep C NS4b (2H1) is a mouse monoclonal antibody raised against recombinant Hep C NS4b.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.