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Datasheet for ABIN457555

anti-HCV 1b NS5B antibody (AA 92-105)

2 Images

Overview

Quantity:	100 µg
Target:	HCV 1b NS5B (HCV NS5b)
Binding Specificity:	AA 92-105
Reactivity:	Hepatitis C Virus (HCV)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCV 1b NS5B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Hepatitis C Virus subtype 1b nonstructuralprotein 5B (NS5B) RNA-dependent RNA polymerase (RdRp)
Sequence:	TPPHSARSKF GYGA
Clone:	6B12
Isotype:	IgG1
Specificity:	Human, HCV subtype 1b NS5B,
Purification:	purified by protein G affinity chromatography

Target Details

Target:	HCV 1b NS5B (HCV NS5b)
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Target Details

Abstract: [HCV NS5b Products](#)

Target Type: Viral Protein

Background: Non-structural protein 5B (NS5B) represents the RNA-dependent RNA polymerase (RdRp) of Hepatitis C Virus, which is a small positive strand RNA virus in the family Flaviviridae. HCV is a major causative agent of acute and chronic hepatitis, hepatocellular carcinoma and liver cirrhosis. The single subunit RNA-dependent RNA polymerase is absolutely essential for the viral replication.

UniProt: [Q9WMX2](#)

Application Details

Application Notes: ELISA titer 1:1000, Western immunoblotting, reduced conditions, dilution 1:1000, Immunoprecipitation. Optimal conditions for IP should be determined for each particular application.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/ml

Buffer: PBS pH 7.4, with 0.1%

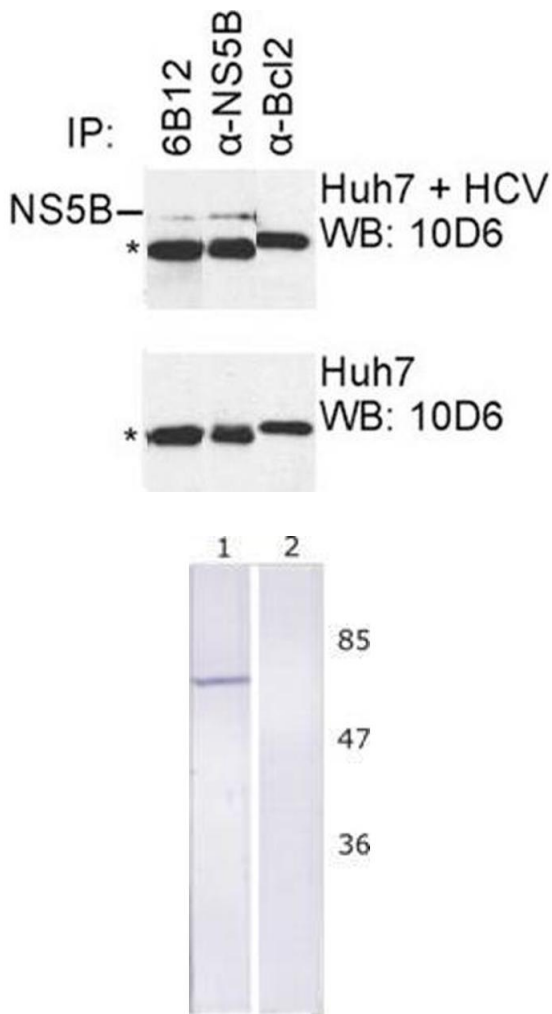
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles as product degradation may result.

Storage: -20 °C

Storage Comment: This product is shipped in non-frozen liquid form in ambient conditions



Western Blotting

Image 1. IP was carried out with NS5B specific mAb 6B12 using the lysates of Huh7 cells harboring selectable subgenomic HCV RNA replicon (upper panel) or plain Huh7 cells (lower panel). NS5B polyclonal antibodies (alpha-NS5B) and alpha-Bcl2 mAb, directed against cellular protein, were used as positive and negative controls respectively. Asterisk indicates immunoglobulin heavy chain; protein blots were probed with NS5B specific mAb 10D6.

Western Blotting

Image 2. WB analysis of Huh-7 cell line expressing NS5B protein. Line 1. Huh-7 transfected with HCV replicon, Line 2. Huh-7 non-transfected cells.