

Hepatitis C Virus E2 antibody

Catalog No: #62136

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Description

Product Name	Hepatitis C Virus E2 antibody
Brief Description	Rabbit Polyclonal
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity purified by Protein A.
Applications	ELISA
Species Reactivity	Hepatitis C Virus
Immunogen Type	Peptide
Immunogen Description	peptide derived from human Hepatitis C Virus E2: 601-700/3011
Target Name	Hepatitis C Virus E2
Uniprot	P26664; P27958
GeneID	951475
Calculated MW	40kDa
Concentration	1mg/ml
Formulation	Liquid in 0.01M PBS (pH7.4) with 1% BSA, 0.02% Proclin300.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

Application Details

ELISA 1:5000-10000

Background

Hepatitis C E2 is a virus envelope glycoprotein which forms a heterodimer with the E1 protein. E2 inhibits human EIF2AK2/PKR activation, preventing the establishment of an antiviral state. E2 is a viral ligand for CD209/DC-SIGN and CLEC4M/DC-SIGNR, which are respectively found on dendritic cells (DCs), and on liver sinusoidal endothelial cells and macrophage-like cells of lymph node sinuses. These interactions allow capture of circulating HCV particles by these cells and subsequent transmission to permissive cells. DCs are professional antigen presenting cells, critical for host immunity by inducing specific immune responses against a broad variety of pathogens. They act as sentinels in various tissues where they entrap pathogens and convey them to local lymphoid tissue or lymph node for establishment of immunity. Capture of circulating HCV particles by these SIGN+ cells may facilitate virus infection of proximal hepatocytes and lymphocyte subpopulations and may be essential for the establishment of persistent infection.

Note: This product is for in vitro research use only