bs-15457R **[Primary Antibody]**

HEV Capsid protein Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: HEV Capsid protein

Immunogen: KLH conjugated synthetic peptide derived from Hepatitis E Virus Capsid protein: 301-400/660.

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The Hepatitis E virus is the causative agent of Hepatitis E. Its taxonomic name is Orthohepevirus A. The viral genome a single-strand of positive-sense RNA that is approximately 7200 bases in length. It encodes 3 proteins (O1, O2, O3), two of which are polyproteins, that is, they are cleaved into fragments which carry out the actual functions of the virus. The O1 protein consists of 7 such fragments, namely Met (Methyltransferase), Y (Y-domain), Plp (Papain like protease), V (proline-rich variable region), X (X-domain, macro-domain), Hel (Helicase), and Rdrp (RNA dependent RNA polymerase). The Pvx domain is a fusion protein consisting of the Plp, V and X domains. The O3 protein is encoded by a single open reading frame (ORF3). The O2 protein encodes the capsid, which is composed of 3 domains, namely the shell domain (S) and two protruding domains (P1, P2). Numbers in the figure indicate positions in the RNA sequence.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Hepatitis E Virus)

Predicted MW.: 69 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=5.776]** Wang L et al. Presence and persistence of hepatitis E virus RNA and proteins in Human bone marrow. Emerg Microbes Infect. 2020 Dec;9(1):994-997. IHC ;Human. 32366181
- **[IF=4.324]** Wang L et al. Transmission of a Novel Genotype of Hepatitis E Virus from Bactrian Camels to Cynomolgus Macaques. J Virol. 2019 Mar 21;93(7). pii: e02014-18. IF ;Monkey. 30700602
- **[IF=3.561]** Li S et al. Characterization of hepatitis E virus natural infection in farmed rabbits J Viral Hepat. 2020 Aug 27. IF ;rabbit. 32853437
- **[IF=]** Li S et al . Infectivity and pathogenicity of different hepatitis E virus genotypes/subtypes in rabbit model. Emerg Microbes Infect. 2020 Nov 29;1-28. Other ;. 33251979