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## HEV Capsid protein Rabbit pAb

Catalog Number: bs-15457R

Target Protein: HEV Capsid protein

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

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

Purification: affinity purified by Protein A

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 is 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.

### PRODUCT SPECIFIC PUBLICATIONS

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[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