bs-0212R

[Primary Antibody]

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HEV ORF3 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Target: HEV ORF3

Immunogen: KLH conjugated synthetic peptide derived from HEV ORF3:

22-103/114.

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 (01, 02, 03), 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: ELISA (1:5000-10000)

Reactivity: (predicted: HEV)

400-901-9800

Predicted MW.: 13.5 kDa

Subcellular Cytoplasm

— SELECTED CITATIONS ——

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- [IF=11.34] Allweiss, Lena, et al. "Human liver chimeric mice as a new model of chronic hepatitis E virus infection and preclinical drug evaluation." Journal of Hepatology (2016). IHC; Human. 26805671
- [IF=9.5] Maliki Ankavay. et al. Monitoring of Hepatitis E Virus Infection and Replication by Functional Tagging of the ORF2 Protein. JHEP Reports. 2024 Dec;:101293 WB; Human. 10.1016/j.jhepr.2024.101293
- [IF=5.542] Beer A et al. Chronic Hepatitis E is associated with Cholangitis. Liver Int. 2019 May 18. IHC; Human. 31102493
- [IF=4.122] Lei Q et al. HEV ORF3 downregulates TLR7 to inhibit the generation of type I interferon via impairment of multiple signaling pathways Q Lei, L Li, S Zhang, T Li, X Zhang, X Ding, B Qin Scientific Reports, 2018Sci Rep. 2018 Jun 5;8(1):8585. WB ;Human. 29872132