



Rabbit Anti-Hepatitis E Virus ORF3 antibody

SL0212R

Product Name:	Hepatitis E Virus ORF3
Chinese Name:	戊型肝炎病毒抗体
Alias:	structural protein; immunogenic protein; ORF-3; ORF 3; Protein ORF3; pORF3; phosphoprotein; ORF3 [Hepatitis E virus]; ORF3 HEVHY.
文献引用 PubMed :	<p>Specific References(2) SL0212R has been referenced in 2 publications.</p> <p>[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-P;Human. PubMed:26805671</p> <p>[IF=14.66]Wang, Lin, et al. "Experimental infection of rabbits with genotype 3 hepatitis E virus produced both chronicity and kidney injury." Gut (2016): gutjnl-2016.IHC;Rabbit. PubMed:27196597</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	HEV
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13.5kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from HEV ORF3:
Lsotype:	IgG

Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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.</p> <p>Function: May act as a viral regulatory protein involved in the modulation of mitogenic signaling pathways. May be involved in virion morphogenesis and viral pathogenesis. Expedites the processing and secretion of AMBP from the hepatocyte.</p> <p>Subunit: Homodimer. Interacts with host SRC, HCK, FYN, PIK3R3 and GRB2 (via SH3 domain); binding does not activate the kinases. Interacts with host AMBP/bikunin and AMBP/alpha-1-microglobulin peptides. Interacts with host HPX/hemopexin. The phosphorylated form interacts with the unglycosylated capsid protein.</p> <p>Subcellular Location: Host cytoplasm, host cytoskeleton. Note=The N-terminal region seems to associate with the cytoskeleton probably via one of its hydrophobic regions.</p> <p>Post-translational modifications: Not glycosylated.</p> <p>Similarity: Belongs to the hepevirus ORF3 protein family.</p> <p>SWISS: O90299</p> <p>Gene ID: N/A</p>

	<p>Database links:</p>
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Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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