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Rabbit Anti-HEV ORF3 antibody

SL0212R

Product Name	HEV ORF3
Chinese Name	戊型肝炎病毒抗体
Alias	Hepatitis E Virus ORF3; Protein ORF3; pORF3; ORF3 [Hepatitis E virus]; ORF3_HEVHY.
Research Area	immunology Bacteria and viruses
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:HEV)
Applications	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	13.5kDa
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from HEV ORF3: 22-103/114
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	(predicted:HEV)1M TBS(pH7.4) with 1% BSA, (predicted:HEV)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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.

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.

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.

Subcellular Location:
Host cytoplasm, host cytoskeleton. Note=The N-terminal region seems to associate with the cytoskeleton probably via one of its hydrophobic regions.

Post-translational modifications:
Not glycosylated.

Similarity:
Belongs to the hepevirus ORF3 protein family.

SWISS:
O90299

Gene ID:
N/A

Database links:

SwissProt: O90299 Hepatitis E virus