

Hepatitis E Virus ORF2 antigen Rabbit pAb

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Catalog # AP56287

Product Information

Application	WB, IHC-P, IHC-F, IF
Predicted	Hepatitis E Virus
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Hepatitis E Virus ORF2 antigen
Epitope Specificity	501-600/600
Isotype	IgG
Purity	affinity purified by Protein A

Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Virion (Probable). Host cytoplasm. Host cell surface. Note=Initially cotranslationally translocated into the ER from where it is retrotranslocated to the cytoplasm. A fraction is also observed on the cell surface.

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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Background Descriptions	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.
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Additional Information

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.