

**bs-16495R****[ Primary Antibody ]****Hepatitis E Virus ORF2 antigen Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>Target:</b> Hepatitis E Virus ORF2 antigen		<b>IHC-F</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from Hepatitis E Virus ORF2 antigen: 501-600/600.		<b>IF</b> (1:100-500)
<b>Purification:</b> affinity purified by Protein A		<b>ICC/IF</b> (1:100-500)
<b>Concentration:</b> 1mg/ml		<b>ELISA</b> (1:5000-10000)
<b>Storage:</b> 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.		<b>Reactivity:</b> (predicted: Hepatitis E Virus)
<b>Background:</b> 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.		<b>Predicted MW.:</b> 149 kDa
		<b>Subcellular Location:</b> Cytoplasm

**— SELECTED CITATIONS —**

- **[IF=5.776]** Shuangshuang Li . et al. Infectivity and pathogenicity of different hepatitis E virus genotypes/subtypes in rabbit model. Emerg Microbes Infec. 2020;9(1):2697-2705 IF ;Rabbit. 33251979