ORF1 Antibody

PACO34358

Product Information

Size:

50ug

Reactivity:

Hepatitis E virus genotype 1

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA

Recommended dilutions:

Protein Background:

Methyltransferase displays a cytoplasmic capping enzyme activity. This function is necessary since all viral RNAs are synthesized in the cytoplasm, and host capping enzymes are restricted to the nucleus. The enzymatic reaction involves a covalent link between 7-methyl-GMP and the methyltransferase, whereas eukaryotic capping enzymes form a covalent complex only with GMP. Methyltransferase catalyzes transfer of a methyl group from S-adenosylmethionine to GTP and GDP to yield m7GTP or m7GDP. GMP, GpppG, and GpppA were poor substrates for the methyltransferase. This enzyme also displays guanylyltransferase activity to form a covalent complex, methyltransferase-m7GMP, from which 7-methyl-GMP is transferred to the mRNA to create the cap structure. Cap analogs such as m7GTP, m7GDP, et2m7GMP, and m2et7GMP inhibit the methyltransferase reaction.

Gene ID:

ORF1

Uniprot

P33424

Synonyms:

Non-structural polyprotein pORF1 [Includes: Methyltransferase (EC 2.1.1. -) (EC 2.7.7. -); Putative papain-like cysteine protease (PLP) (EC 3.4.22. -); NTPase/helicase (EC 3.6.4. -); RNA-directed RNA polymerase (RdRp) (EC 2.7.7.48)]

Immunogen:

Recombinant Hepatitis E virus genotype 1 Non-structural polyprotein pORF1 protein (60-240AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images

N/A N/A

