

Product datasheet

Recombinant Hepatitis A Virus protein ab49011

1 References

Overview

Product name	Recombinant Hepatitis A Virus protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Amino acids	304 to 415

Specifications

Our [Abpromise guarantee](#) covers the use of **ab49011** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	Reacts strongly with human Hepatitis A virus positive serum.
Applications	ELISA Western blot
Purity	> 90 % SDS-PAGE.
Form	Liquid
Additional notes	VP3 is a capsid protein. Reacts strongly with human Hepatitis A virus positive serum.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 9.60 Constituents: 0.1% SDS, 0.158% Tris HCl, 50% Glycerol
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General Info

Relevance

Hepatitis A Virus (HAV) is a 27nm nonenveloped, spherical, positive stranded RNA virus, classified within the genus hepatovirus of the picornavirus family and is among the smallest and structurally simplest of the RNA animal viruses. A single large polyprotein is expressed from a large open reading frame extending through most of the genomic RNA. This polyprotein is subsequently cleaved by a viral protease (3Cpro) to form three (possibly four) capsid proteins and several nonstructural proteins. HAV genomic replication occurs exclusively in the cytoplasm of the infected hepatocyte by a mechanism involving an RNA-dependent RNA polymerase.

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