



Anti-HAV VP4 Polyclonal antibody (DPAB3952)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Hepatitis A Virus VP4 Protein.
Antigen Description	Hepatitis A virus (HAV) is the sole member of the Hepatovirus genus within the family Picornaviridae. The capsid of HAV encloses a single-stranded RNA genome of about 7.5 kb which is translated into a single polyprotein. The virion proteins VP1 to VP4 and the nonstructural proteins are generated from the polyprotein by a cascade of proteolytic cleavages. Only one protease, viral protease 3C, has been implicated in the nine protein scissions. Processing of the capsid protein precursor region generates a unique intermediate, PX (VP1-2A), which accumulates in infected cells and is assumed to serve as precursor to VP1 found in virions, although the details of this reaction have not been determined. Capsid proteins VP1, VP2, and VP3 form a closed capsid enclosing the viral positive strand RNA genome. VP1 is a major viral antigen.
Specificity	Reacts with HAV VP4 and VP4 precursor proteins. Cross-reactivity to other subtypes not tested.
Target	HAV VP4
Immunogen	in vivo expressed hepatitis A virus VP4 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	HAV
Purification	Immunoaffinity chromatography
Conjugate	Unconjugated
Applications	WB, ELISA
Size	100 µg

Preservative	None
Storage	Store at 4 oC; DO NOT FREEZE; Stable for 6 months from the date of shipment. Non-hazardous.

BACKGROUND

Introduction	Hepatitis A (formerly known as infectious hepatitis and epidemical virus) is an acute infectious disease of the liver caused by the hepatitis A virus (Hep A), an RNA virus, usually spread the fecal-oral route; transmitted person-to-person by ingestion of contaminated food or water or through direct contact with an infectious person. Tens of millions of individuals worldwide are estimated to become infected with Hep A each year. The time between infection and the appearance of the symptoms (the incubation period) is between two and six weeks and the average incubation period is 28 days.
Keywords	Group IV; Picornaviridae; Hepatovirus; Hepatitis A virus; Hepatitis A virus VP4 protein; HAV VP4; infectious hepatitis and epidemical virus