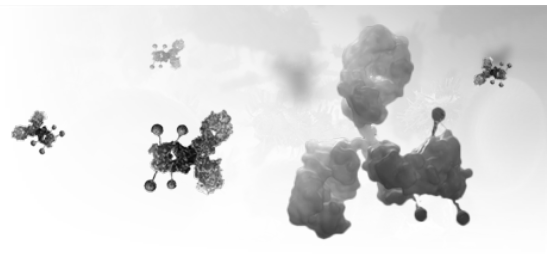

Anti-Norovirus VP1 Polyclonal antibody (DPAB29416)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-VP1 Polyclonal Antibody
Specificity	Reacts with human Norovirus VP1 protein. Cross-reactivity to other family member not tested.
Target	Norovirus? VP1
Immunogen	DNA vaccine expressing VP1 of Norovirus (Hu/Shanghai/SH5/2009/CHN) protein(a.a.1-540) (Genebank accession # ADF47128).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Norovirus
Conjugate	Unconjugated
Applications	ELISA, WB, IP, Neut
Size	1 mg
Preservative	None
Storage	-20 °C, Avoid freeze / thaw cycles

BACKGROUND

Introduction

Norovirus is an RNA virus of the Caliciviridae taxonomic family, causes approximately 90% of epidemic non bacterial outbreaks of gastroenteritis around the world and is responsible for 50% of all foodborne outbreaks of gastroenteritis in the US. Norovirus affects people of all ages. The viruses are transmitted by faecally contaminated food or water and by person to person contact. Noroviruses contain a positive-sense RNA genome of approximately 7.5 kbp, encoding a major structural protein (VP1) of about 58~60 kDa and a minor capsid protein (VP2). The virus particles demonstrate an amorphous surface structure when visualized using electron microscopy and are between 27-38 nm in size. Capsid protein VP1 attaches virion to target cells by binding histo-

	blood group antigens present on gastroduodenal epithelial cells. Soluble capsid protein may play a role in viral immunoevasion. Capsid protein VP1 binds to histoblood group antigens at surface of target cells. The shell domain (S domain) contains elements essential for the formation of the icosahedron. The Protruding domain (P domain) is divided into subdomains P1 and P2. P domain interacts in dimeric contacts that increase the stability of the capsid and form the protrusions on the virion. An hypervariable region in P2 is thought to play an important role in receptor binding and immune reactivity.
Keywords	VP1; Rabbit Anti-VP1 Polyclonal Antibody; Anti-VP1 Polyclonal Antibody; VP1 Polyclonal Antibody Rabbit Anti-VP1 PAb; Anti-VP1 PAb; VP1 PAb; Rabbit Anti-VP1 Antibody; Anti-VP1 Antibody; VP1 Antibody