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Rabbit Anti-Norovirus Capsid protein VP1 antibody

SL19320R

Product Name:	Norovirus Capsid protein VP1
Chinese Name:	诺如病毒蛋白抗体
Alias:	Norovirus capsid protein; Norovirus Capsid protein VP1; CAPSD_NVN68; NVgp2; 58 kd capsid protein [Norwalk virus]; VP1; p59.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Norovirus.
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Norovirus Capsid protein VP1:341-440/530
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 can genetically be classified into 5 different genogroups (GI, GII, GIII, GIV, and GV) which can be further divided into different genetic clusters or genotypes. For example genogroup II, the most prevalent human genogroup, presently contains 19 genotypes. Genogroups I, II and IV infect humans, whereas genogroup III infects bovine species and genogroup V has recently been isolated in mice. 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. **Function:** Capsid protein self assembles to form an icosahedral capsid with a T=3 symmetry, about 38 nm in diameter, and consisting of 180 capsid proteins. A smaller form of capsid with a diameter of 23 nm might be capsid proteins assembled as icosahedron with T=1 symmetry. The capsid encapsulate the genomic RNA and VP2 proteins. Attaches virion to target cells by binding histo-blood group antigens present on gastroduodenal epithelial cells. **SWISS:** Q83884 **Gene ID:** 1491972 **Database links:** Entrez Gene: 1491972 Norwalk virus SwissProt: Q83884 Norwalk virus **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.