

Anti-Sapovirus Capsid protein antibody, mouse monoclonal (SVGC-01)

65-423 100 µg

Shipping and Storage: Shipped at 4°C or -20°C, store at -20°C.

Immunogen: Recombinant Sapovirus capsid protein (aa 242-266 and 493-513) expressed in *Escherichia coli*.

Form: 1.0 mg/ml in PBS- with 50% glycerol, filter sterilized.

Purity: Affinity-purified with Protein A

Isotype: Mouse IgG1 κ

Reactivity: Reacts with Sapovirus capsid protein Genogroup I, II, IV and V.

Applications:

1. Western blotting (1/500)
 2. ELISA (assay dependent)
- Other applications have not been tested.

Background: Sapoviruses are responsible for most acute nonbacterial epidemic outbreak of gastroenteritis worldwide as well as Noroviruses. Human Sapovirus is comprised of four genogroups based on sequence differences (Genogroup I, II, IV and V). The major capsid protein, VP1, is comprised of protruding (P) domain. The P domain divided into the P1 subdomain (residues 229-280 and 448-567) and P2 subdomain (281-447).

Data Link: Uni-ProtKB: [A0A125T1I3](#) - A0A125T1I3_9CALI (GI strain)

[A0A345BSY9](#) - A0A345BSY9_9CALI (GII strain)

[B7XDH1](#) - B7XDH1_9CALI (GIV strain)

[A0A8K1XHB1](#) - A0A8K1XHB1_9CALI (GV strain)

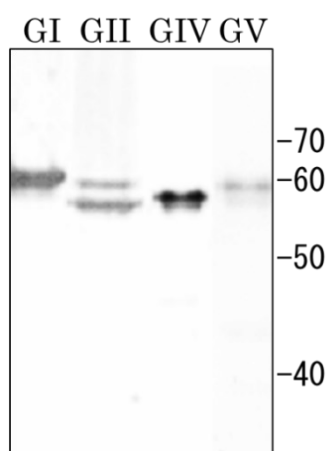


Fig.1. Detection of Sapovirus capsid protein by Western blotting with monoclonal antibody (SVGI-01). Recombinant Sapovirus capsid protein of Genogroup I (G-I), G-II, G-IV and G-V were applied to SDS-PAGE. The SVGC-01 antibody was used at 1/500 dilution. The HRP-conjugated goat anti-mouse IgG (abcom) was used at 1/4,000 as the second antibody. SVGI-01 reacts with Sapovirus capsid protein of G-I, G-II, G-IV and G-V with molecular weight of approximately 60-58 kD.

Reference: No publication. Please let BioAcademia know when published.



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