

AP55665PU-N**Polyclonal Antibody to SFTS Virus HB29 (Center) - Aff - Purified****Alternate names:**

SFTS Virus HB29 Membrane Glycoprotein Polyprotein

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Severe fever with thrombocytopenia syndrome (SFTS) is an emerging infectious disease caused by SFTS virus, a newly discovered bunyavirus that can cause high rates of fatalities. This disease is thought to be transmitted through blood contact. The SFTS virus HB29 membrane glycoprotein polyprotein mRNA encodes two glycoproteins termed Phlebovirus glycoprotein G1 and G2 respectively. This antibody will detect the non-cleaved glycoprotein.

Uniprot ID:[F1BA4Z](#)**NCBI:**[ADZ04471](#)**GeneID:**[13231111](#)**Host / Isotype:**

Rabbit / IgG

Immunogen:

SFTS Virus HB29 Membrane Glycoprotein antibody was raised against an 18 amino acid synthetic peptide near the center of Human SFTS Virus HB29 Membrane Glycoprotein .

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography purified via peptide column**Buffer System:** PBS containing 0.02% Sodium Azide as preservative**Applications:**

This antibody can be used for detection of SFTS Virus HB29 Membrane Glycoprotein by **ELISA**. It will detect 10 ng of *free* peptide at 1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody is specific to the SFTS Virus HB29. This antibody will detect the non-cleaved Glycoprotein.

Species: Virus

Other species not tested.

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Yu XJ, Liang MF, Zhang SY, Liu Y, Li JD, Sun YL, et al. Fever with thrombocytopenia associated with a novel bunyavirus in China. *N Engl J Med*. 2011 Apr 21;364(16):1523-32. doi: 10.1056/NEJMoa1010095. Epub 2011 Mar 16. PubMed PMID: 21410387.

2. Liu Y, Li Q, Hu W, Wu J, Wang Y, Mei L, et al. Person-to-person transmission of severe fever with thrombocytopenia syndrome virus. *Vector Borne Zoonotic Dis*. 2012 Feb;12(2):156-60. doi: 10.1089/vbz.2011.0758. Epub 2011 Sep 28. PubMed PMID: 21955213.