

**Heartland Virus Glycoprotein 2 Antibody**  
**Catalog # ASC11681****Specification**

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**Heartland Virus Glycoprotein 2 Antibody - Product Information**

Application	E
Primary Accession	<a href="#">J3WAX0</a>
Other Accession	<a href="#">AFP33393</a> , <a href="#">399207766</a>
Reactivity	Virus
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 55 kDa
Application Notes	Heartland virus glycoprotein 2 antibody can detect 10 ng Heartland virus glycoprotein 2 in ELISA at 1 µg/mL.

**Heartland Virus Glycoprotein 2 Antibody - Additional Information****Reconstitution & Storage**

Heartland virus glycoprotein 2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

Heartland Virus Glycoprotein 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Heartland Virus Glycoprotein 2 Antibody - Protein Information****Name** GP**Function**

[Glycoprotein N]: Structural component of the virion that interacts with glycoprotein C (By similarity). It shields the hydrophobic fusion loops of the glycoprotein C, preventing premature fusion (By similarity). The glycoprotein protrusions are arranged on an icosahedral lattice, with T=12 triangulation (By similarity). They are able to attach the virion to the host cell receptor CD209/DC-SIGN and to promote fusion of membranes with the late endosome after endocytosis of the virion (Probable). Plays a role in the packaging of ribonucleoproteins during virus assembly (By similarity).

**Cellular Location**

[Glycoprotein N]: Virion membrane {ECO:0000250|UniProtKB:P09613}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P09613}. Host Golgi apparatus membrane {ECO:0000250|UniProtKB:P03518}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P09613}. Host endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P09613}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P09613}. Note=Interaction between Glycoprotein N and Glycoprotein C is essential for proper targeting of Glycoprotein C to the Golgi complex, where virion budding

occurs {ECO:0000250|UniProtKB:P09613}

### **Heartland Virus Glycoprotein 2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Heartland Virus Glycoprotein 2 Antibody - Images**

### **Heartland Virus Glycoprotein 2 Antibody - Background**

Heartland Virus Glycoprotein 2 Antibody: The Heartland virus is a newly identified member of the phlebovirus genus of the Bunyaviridae family. Initial reports indicate that symptoms may include fever, fatigue, diarrhea, thrombocytopenia, and leukopenia (1). The Bunyaviridae family of viruses are spherical enveloped viruses with a tripartite RNA genome of negative or ambisense polarity (2). The glycoprotein RNA encodes a polyprotein that is cleaved into the G1 and G2 proteins.

### **Heartland Virus Glycoprotein 2 Antibody - References**

McMullan LK, Folk SM, Kelly AJ, et al. A new phlebovirus associated with severe febrile illness in Missouri. N. Engl. J. Med. 2012; 367:834-41.  
Schmaljohn C and Hooper JW. Bunyaviridae: the viruses and their replication, 4th ed. Lippincott Williams & Wilkins, Philadelphia, PA.