abcam

Product datasheet

Anti-Hantavirus nucleocapsid protein antibody [5E11] ab34757

1 Abreviews 5 References 1 Image

Overview

Product name	Anti-Hantavirus nucleocapsid protein antibody [5E11]
Description	Mouse monoclonal [5E11] to Hantavirus nucleocapsid protein
Host species	Mouse
Tested applications	**Suitable for:** Indirect ELISA, WB, ICC/IF
Species reactivity	**Reacts with:** Puumala hantavirus
Immunogen	Recombinant fragment corresponding to Hantavirus nucleocapsid protein.
Epitope	The epitope recognized by this antibody is localized at N-terminus, between amino acids 1 and 45 of the hantavirus nucleocapsid protein.
General notes	This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR148555-9 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal

Clone number	5E11
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34757 in the following tested applications.

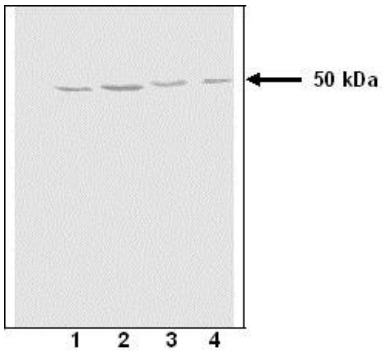
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Indirect ELISA		1/1000 - 1/10000.
WB		1/1000 - 1/5000.
ICC/IF		Use at an assay dependent concentration. PubMed: 18687679

Target

Relevance The members of the Hantavirus genus of the family Bunyaviridae are spherical, enveloped viruses containing tripartite negative-sense RNA as their genome. The three genomic RNA segments, designated L, M, and S, encode an RNA-dependent RNA polymerase, envelope glycoproteins (G1 and G2), and nucleocapsid (N) protein, respectively. Hantavirus infections can cause two serious and often fatal human diseases, hemorrhagic fever with renal syndrome and hantaviral pulmonary syndrome, characterized by lung damage and cardiac dysfunction. Humans are infected with hantaviruses from rodent reservoirs that are persistently infected without signs of disease.

Images



Western blot - Anti-Hantavirus nucleocapsid protein antibody [5E11] (ab34757)

ab34757 at 1 µg/mL used in Western blot of recombinant nucleocapsid proteins.

Lane 1 Sotkamo NP

Lanes 2 & 3 Vranica NP

Lane 4 Kazan NP

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