abcam

Product datasheet

Anti-Hantavirus nucleocapsid protein antibody [5E11] ab34759

4 References

Overview

Product name	Anti-Hantavirus nucleocapsid protein antibody [5E11]
Description	Mouse monoclonal [5E11] to Hantavirus nucleocapsid protein
Host species	Mouse
Specificity	This antibody reacts with nucleocapsid proteins of Puumala hantaviruses: Vranica, Sotkamo and Kazan and reacts with hantavirus-infected cells. It cross-reacts with nucleocapsid proteins of Andes, Sin Nombre and Seoul hantaviruses. It does not cross-react with hamster polyomavirus major capsid protein VP1, nor with nucleocapsid proteins of measles and mumps viruses.
Tested applications	**Suitable for:** ICC/IF
Species reactivity	**Reacts with:** Puumala hantavirus
Immunogen	Recombinant fragment -recombinant chimeric protein harbouring N-terminal segment (1-120 aa) of Puumala hantavirus (strain Vranica-Hällnäs) nucleocapsid protein, expressed in yeast S.cerevisiae.
Epitope	The epitope recognized by this antibody is localized at the N-terminus, between amino acids 1 and 45 of hantavirus nucleocapsid protein.
General notes	This product was changed from ascites to tissue culture supernatant on 28/11/2017. 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: 6.8

	Preservative: 0.1% Sodium azide Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	5E11
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34759 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
ICC/IF		1/1 - 1/20.

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.

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