abcam

Product datasheet

Anti-Rubella Virus capsid antibody [9B11] ab34749

★★★★★ 3 Abreviews 10 References 1 Image

Overview

Product name	Anti-Rubella Virus capsid antibody [9B11]
Description	Mouse monoclonal [9B11] to Rubella Virus capsid
Host species	Mouse
Tested applications	**Suitable for:** Indirect ELISA, WB
Species reactivity	**Reacts with:** Rubella virus
Immunogen	Recombinant full length protein corresponding to Rubella Virus capsid.
General notes	This product was changed from ascites to tissue culture supernatant on 28/11/2017. Lot numbers higher than GR120838-1 and GR210838-5 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	9B11
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34749 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)	1/1000 - 1/5000. Predicted molecular weight: 115 kDa.

Target

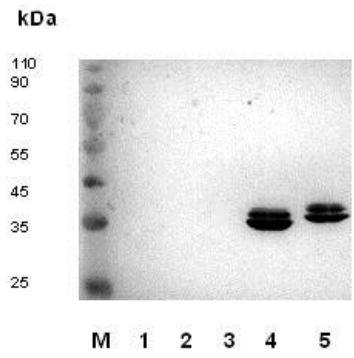
Relevance

Rubella virus is the only member of the Rubrivirus genus of the Togavirus family. Unlike most Togaviruses it is NOT arthropod borne, but is acquired via the respiratory route. It causes German measles (a mild contagious eruptive disease, capable of producing congenital defects in infants born to mothers infected during the first three months of pregnancy). Rubella virus is an enveloped positive-strand RNA virus. The genome encodes two open reading frames (ORFs): the 5'-proximal ORF encodes viral nonstructural proteins (NSP) that are responsible for viral genome replication, while the 3'-proximal ORF encodes three virion structural proteins (SP), the capsid protein (CP), and the two envelope glycoproteins, E2 and E1. During virus assembly, the capsid interacts with genomic RNA to form nucleocapsids. The rubella virus (RV) structural proteins: capsid, E2, and E1 are synthesized as a polyprotein precursor. The signal peptide that initiates translocation of E2 into the lumen of the endoplasmic reticulum remains attached to the carboxy terminus of the capsid protein after cleavage by signal peptidase.

Cellular localization

Cytoplasmic in host cells concentrated around Golgi region and mitochondrion.

Images



Western blot - Anti-Rubella Virus capsid antibody [9B11] (ab34749)

All lanes : Anti-Rubella Virus capsid antibody [9B11] (ab34749) at 1 µg/ml

Lane 1 : Prestained M.Wt markers
Lane 2 : crude yeast cell lysate [mock control]
Lanes 3-4 : irrelevant viral proteins
Lane 5 : recombinant purified rubella capsid protein
Lane 6 : crude lysate of transformed yeast cells expressing rubella capsid protein

Predicted band size: 115 kDa

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