abcam

Product datasheet

Anti-HSV1 gC Envelope Protein antibody [3G9] ab6509

★★★★★ 2 Abreviews 13 References 1 Image

Overview

Product name	Anti-HSV1 gC Envelope Protein antibody [3G9]
Description	Mouse monoclonal [3G9] to HSV1 gC Envelope Protein
Host species	Mouse
Tested applications	**Suitable for:** WB, ELISA, ICC/IF
Species reactivity	**Reacts with:** Herpes simplex virus
Immunogen	Tissue, cells or virus corresponding to Herpes simplex virus HSV1 gC Envelope Protein. Herpes Virus
General notes	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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4
Purity	Protein A purified
Clonality	Monoclonal
Clone number	3G9
Myeloma	NS1/1-Ag4-1
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab6509 in the following tested applications.

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

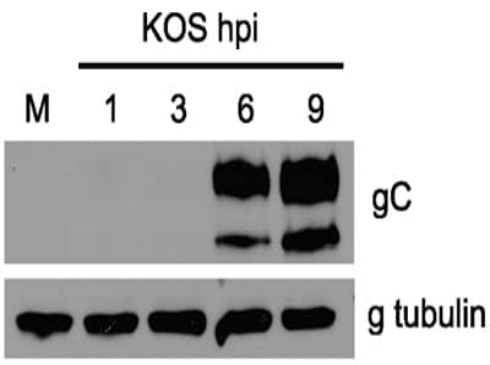
Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000.
ELISA		1/102400.
ICC/IF		1/25600.

Target

Relevance

Herpes simplex type 1 (HSV-1) belongs to a family that includes HSV-2, Epstein-Barr virus (EBV) and Varicella zoster (chicken pox) virus amongst others. HSV-1 and HSV-2 are extremely difficult to distinguish from each other. Members of this family have a characteristic virion structure. The double stranded DNA genome is contained within an icosahedral capsid embedded in a proteinaceous layer (tegument) and surrounded by a lipid envelope, derived from the nuclear membrane of the last host, which is decorated with virus-specific glycoproteins spikes. These viruses are capable of entering a latent phase where the host shows no visible sign of infection and levels of infectious agent become very low. During the latent phase the viral DNA is integrated into the genome of the host cell.

Images



Western blot - Anti-HSV1 gC Envelope Protein antibody [3G9] (ab6509)

Image from Livingston CM et al., PLoS Pathog. 2009 Oct;5(10):e1000619. Epub 2009 Oct 9.Fig 1.; doi:10.1371/journal.ppat.1000619; October 9, 2009, PLoS Pathog 5(10): e1000619.

Western blot analysis of Vero cells mock-infected or infected with KOS at a multiplicity of infection of 10 for 1, 3, 6 and 9 hours.

HSV1 gC Envelope Protein was detected using ab6509, at 1/1000 dilution. An HRP-conjugated sheep-anti-mouse IgG (1/20000) was used as the secondary antibody.

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