

Product Datasheet

MORC3 Antibody - BSA Free

NBP1-83036

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-83036

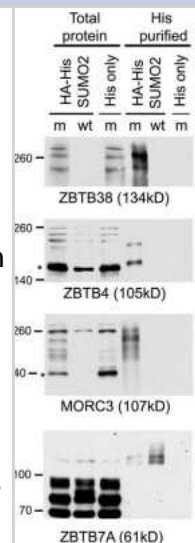
MORC3 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	23515
Gene Symbol	MORC3
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QETTDKSADDAGCQLQELRNQLLLVTEEKENYKRQCHMFTDQIKVLQQRILEM NDKYVKKETCHQSTETDAVFLLESINGKSESPDHMVSQYQQALEEI
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.



Images

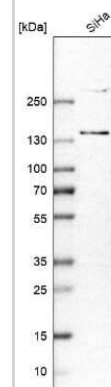
Western Blot: MORC3 Antibody [NBP1-83036] - Total and purified protein fractions from mock (m) & wt HSV-1 (wt; MOI 10 12 h p.i.) infected HA-HisSUMO2 cells analyzed by WB (uninfected HA-His only total protein & purified fractions as controls; mock infected = m; infected samples = wt). Probable sumoylated species of PML, NACC1, ZBTB10, ZBTB38, ZBTB4 and MORC3 detected in uninfected purified samples (indicated by dashes on the right of panels), & reduced in abundance during HSV-1 infection. ZBTB7A showed increased SUMO2-modification in infected purified fractions. RanGAP1 used as an unchanged control for SUMO2-modification following HSV-1 infection. The predicted unmodified molecular weight of each protein is indicated in each panel; major unmodified form is marked by an asterisk - this refers to the major isoforms PML.I and PML.II. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.ppat.1005059>), licensed under a CC-BY license.



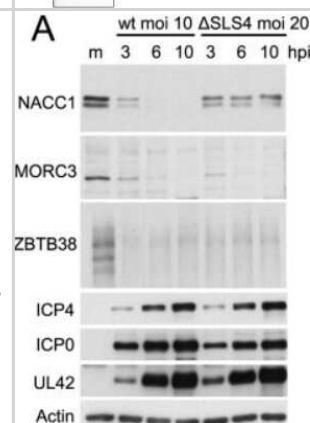
Immunohistochemistry-Paraffin: MORC3 Antibody [NBP1-83036] - Staining of human esophagus shows nuclear and cytoplasmic positivity in squamous epithelial cells.



Western Blot: MORC3 Antibody [NBP1-83036] - Analysis in human cell line SiHa.



Western Blot: MORC3 Antibody [NBP1-83036] - Influence of a SUMO interaction motif within ICP0 on the stability of selected proteins during HSV-1 infection. HepaRG cells were infected with wt or mSLS4 mutant HSV-1 and samples taken at 3, 6 and 10 h after infection were analyzed for the abundance of NACC1, MORC3 and ZBTB38 as indicated. The MOI were adjusted to ensure similar levels of viral gene expression (10 for wt, 20 for mSLS4), as shown in the ICP0, ICP4 and UL42 panels. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.ppat.1005059>), licensed under a CC-BY license.



Publications

Sloan E, Orr A, Everett RD. MORC3, a component of PML Nuclear Bodies, has a role in restricting herpes simplex virus type 1 and human cytomegalovirus J. Virol. 2016-07-20 [PMID: 27440897] (WB, Human)

Sloan E, Tatham MH, Groslambert M et al. Analysis of the SUMO2 Proteome during HSV-1 Infection PLoS Pathog. 2015-07-01 [PMID: 26200910] (WB, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-83036

NBP1-83036PEP	MORC3 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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