

# 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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 2

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**NBP1-83036**

MORC3 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

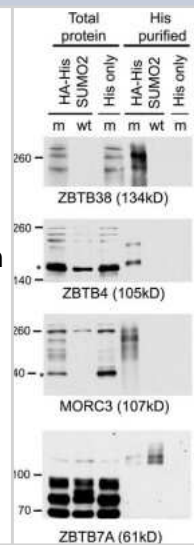
Product Description	
<b>Description</b>	Novus Biologicals Rabbit MORC3 Antibody - BSA Free (NBP1-83036) is a polyclonal antibody validated for use in IHC and WB. Anti-MORC3 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23515
<b>Gene Symbol</b>	MORC3
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: QETTDKSADDAGCQLQELRNQLLLVTEEKENYKRQCHMFTDQIKVLQQRILEM NDKYVKKETCHQSTETDAVFLLESINGKSESPDHMVSQYQQALEEI

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200-1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.



## Images

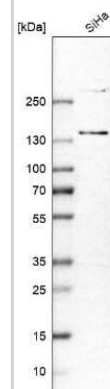
Western Blot: MORC3 Antibody [NBP1-83036] - Total and purified protein fractions from mock (m) & wt HSV-1 (wt; MOI 10 12 h p.i.) infected HA-HisSUMO2 cells analyzed by WB (uninfected HA-His only total protein & purified fractions as controls; mock infected = m; infected samples = wt). Probable sumoylated 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.



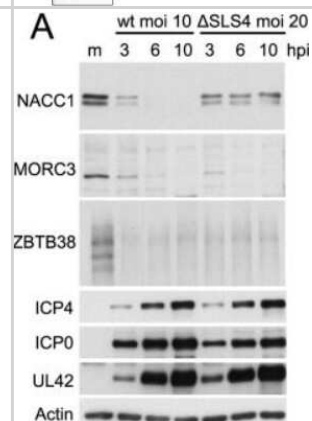
Immunohistochemistry-Paraffin: MORC3 Antibody [NBP1-83036] - Staining of human esophagus shows nuclear and cytoplasmic positivity in squamous epithelial cells.



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, Gros Lambert 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**

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NBP1-83036PEP	MORC3 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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