

# Product Datasheet

## HDAC1 Antibody (5C11) - Azide and BSA Free H00003065-M14

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00003065-M14](http://www.novusbio.com/H00003065-M14)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00003065-M14](http://www.novusbio.com/reviews/destination/H00003065-M14)



**H00003065-M14**

HDAC1 Antibody (5C11) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5C11
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3065
Gene Symbol	HDAC1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	HDAC1 (5C11)
Immunogen	HDAC1 (AAH00301, 1 a.a. ~ 482 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAQTQGTRRKVCYYYDGDVGNYYYGQGHMPKPHRIRMTHNLLLNYGLYRKM EIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGEDCPVFD GLFEFCQLSTGGSVASAVKLNKQQTDIAVNWAGGLHHAKKSEASGFCYVNDIV LAILELLKYHQRVLYIDIDIHHGDGVVEEAFYTDDRMTVSFHKYGEYFPGTGDLR DIGAGKGKYYAVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCGSDS LSGDRLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWYETAV ALDTEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRML PHAPGVQMQAIPEDAIPESGDEDEDDPDKRISICSSDKRIACEEEFSDSEEEG EGGRKNSSNFKKAKRVKTEDEKEKDPEEKKEVTEEEKTKEEKPEAKGVKEEVK LA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Proximity Ligation Assay

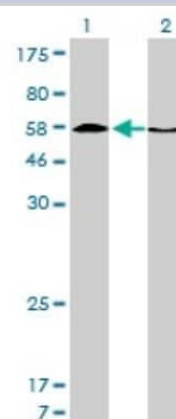


**Application Notes**

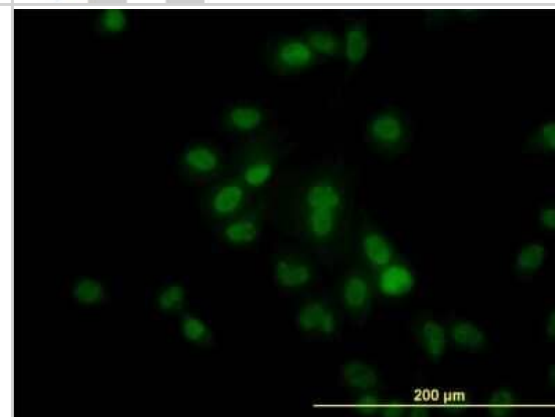
Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

**Images**

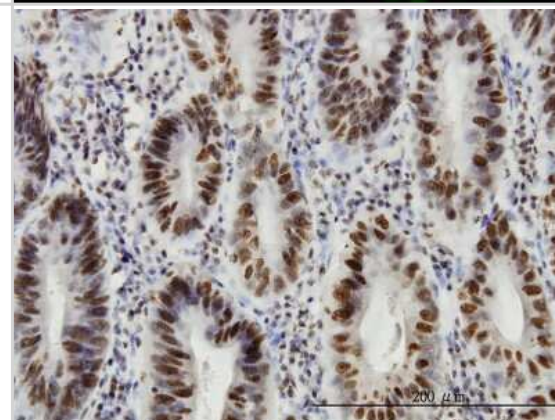
Western Blot: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of HDAC1 expression in transfected 293T cell line by HDAC1 monoclonal antibody (M14), clone 5C11. Lane 1: HDAC1 transfected lysate (55.1 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of monoclonal antibody to HDAC1 on HeLa cell. Antibody concentration 10 ug/ml



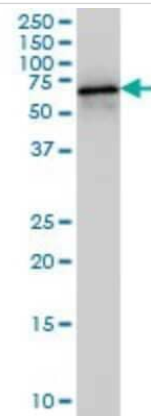
Immunohistochemistry-Paraffin: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of monoclonal antibody to HDAC1 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml



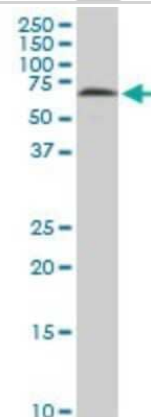
Western Blot: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of HDAC1 expression in PC-12 (Cat # L012V1).



Western Blot: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of HDAC1 expression in Hela S3 NE (Cat # L013V3).



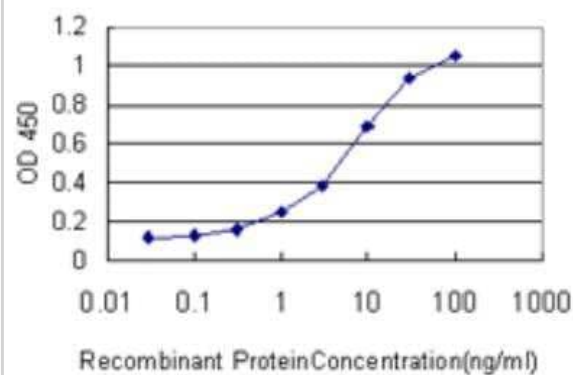
Western Blot: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of HDAC1 expression in Raw 264.7 (Cat # L024V1).



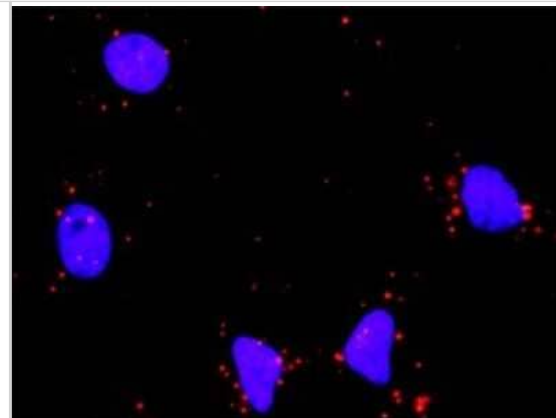
Western Blot: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of HDAC1 expression in NIH/3T3 (Cat # L018V1).



ELISA: HDAC1 Antibody (5C11) [H00003065-M14] - Detection limit for recombinant GST tagged HDAC1 is approximately 0.1ng/ml as a capture antibody.



Proximity Ligation Assay: HDAC1 Antibody (5C11) [H00003065-M14] - Analysis of protein-protein interactions between NFKB1 and HDAC1. HeLa cells were stained with anti-NFKB1 rabbit purified polyclonal 1:1200 and anti-HDAC1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



## Publications

Nakayama T, Mikoshiba K, Akagawa K. The cell- and tissue-specific transcription mechanism of the TATA-less syntaxin 1A gene. FASEB J 2016-02-01 [PMID: 26391271]



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00003065-M14**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00003065-P01-10ug	Recombinant Human HDAC1 GST (N-Term) Protein

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00003065-M14](http://www.novusbio.com/reviews/submit/H00003065-M14)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

