

Product Datasheet

HDAC6 Antibody - BSA Free

NBP1-78981

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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Publications: 1

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NBP1-78981

HDAC6 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.07 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS, 30% Glycerol

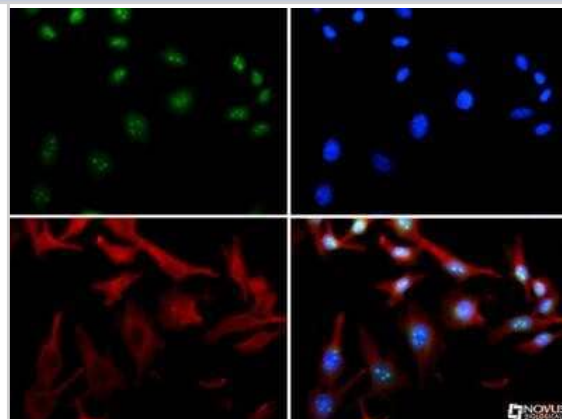
Product Description	
Description	Novus Biologicals Rabbit HDAC6 Antibody - BSA Free (NBP1-78981) is a polyclonal antibody validated for use in WB, Flow and ICC/IF. Anti-HDAC6 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10013
Gene Symbol	HDAC6
Species	Human, Mouse
Immunogen	A synthetic peptide made to a C-terminal portion of the human HDAC6 protein (between residues 1175-1215). [UniProt Q9UBN7]

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry (Negative), Western Blot (Negative)
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence 1:100, Western Blot (Negative), Immunohistochemistry (Negative)
Application Notes	Antibody did not work in IHC-paraffin embedded sections in mouse intestine or Western blot.

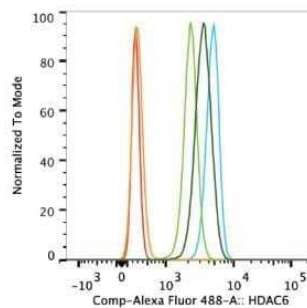


Images

Immunocytochemistry/Immunofluorescence: HDAC6 Antibody [NBP1-78981] - HDAC-6 antibody was tested in HeLa cells with FITC (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Flow Cytometry: HDAC6 Antibody [NBP1-78981] - Analysis using the Alexa Fluor (R) 488 conjugate of NBP1-78981. Staining of isolated T-cells. Image from verified customer review (Andressa Sodre, Moffitt Cancer Center).



Sample Name	Geometric Mean : Comp-Alexa Fluor 488-A
Specimen_001_20h stem Mouse 3.fcs	3589
Specimen_001_Non stem Mouse 3.fcs	2362
Specimen_001_Live dead yellow.fcs	326
Specimen_001_FMO - HDAC6.fcs	288
Specimen_001_Human T-cells positive control.fcs	4883

Publications

Kumar A, Larrea D, Pero ME et al. MFN2-dependent recruitment of ATAT1 coordinates mitochondria motility with alpha-tubulin acetylation and is disrupted in CMT2A bioRxiv : the preprint server for biology 2023-03-16 [PMID: 36993604] (WB, ICC/IF, Mouse)

Procedures

Immunocytochemistry/Immunofluorescence protocol for HDAC6 Antibody (NBP1-78981)

HDAC6 Antibody:

Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





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Products Related to NBP1-78981

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

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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