

Product Datasheet

SMCHD1 Antibody - BSA Free

NBP1-82978

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: 2

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Updated 9/23/2025 v.20.1

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NBP1-82978

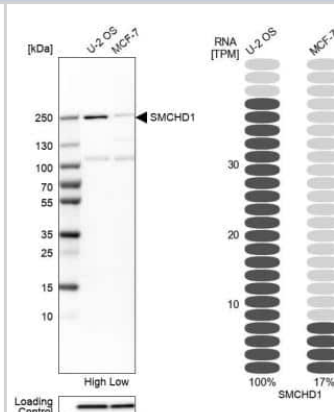
SMCHD1 Antibody - BSA Free

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	
Description	Novus Biologicals Rabbit SMCHD1 Antibody - BSA Free (NBP1-82978) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-SMCHD1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23347
Gene Symbol	SMCHD1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DNGRGMTSKQLNNWAVYRLSKFTRQGDFESDHSQYVRPVPVPRSLNSDISYF GVGGKQAVFFVGQSARMISKPADSQDVHELVLKED
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:40, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:40, apparent MW was 200 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

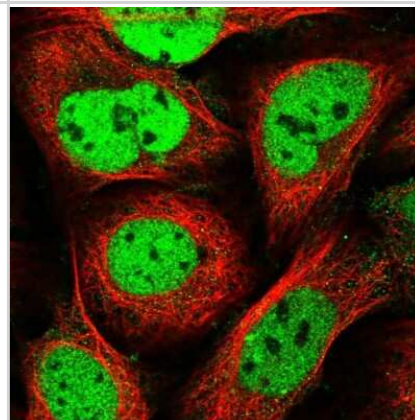


Images

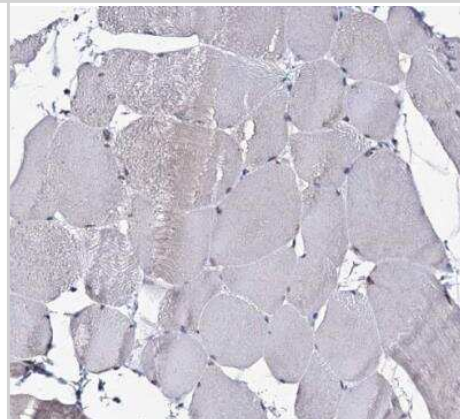
Western Blot: SMCHD1 Antibody [NBP1-82978] - Analysis in human cell lines U2OS and MCF-7 using Anti-SMCHD1 antibody. Corresponding SMCHD1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



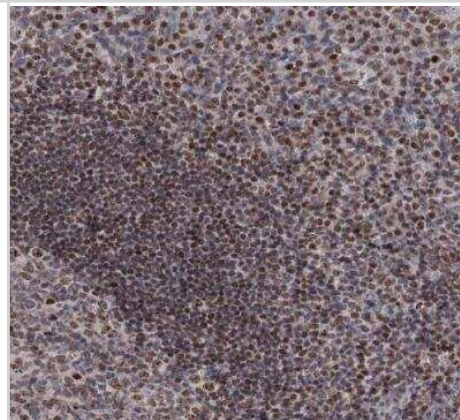
Immunocytochemistry/Immunofluorescence: SMCHD1 Antibody [NBP1-82978] - Staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.



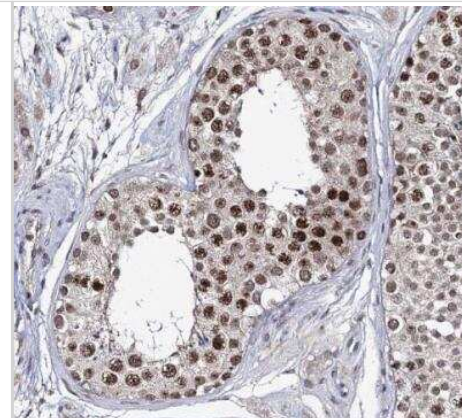
Immunohistochemistry-Paraffin: SMCHD1 Antibody [NBP1-82978] - Staining of human skeletal muscle shows very weak nuclear positivity in myocytes.



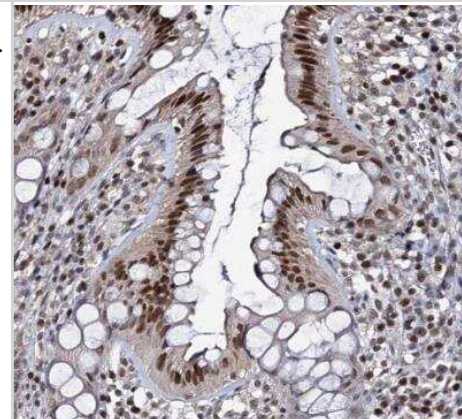
Immunohistochemistry-Paraffin: SMCHD1 Antibody [NBP1-82978] - Staining of human tonsil shows moderate nuclear positivity in germinal and non-germinal center cells.



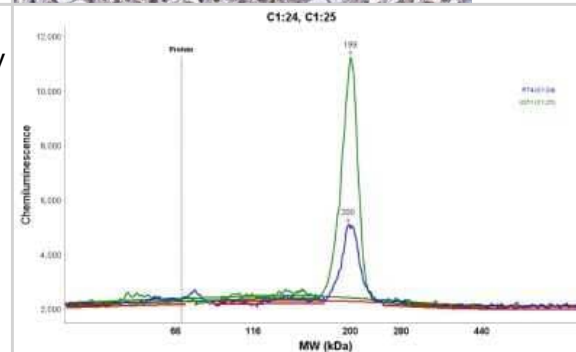
Immunohistochemistry-Paraffin: SMCHD1 Antibody [NBP1-82978] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: SMCHD1 Antibody [NBP1-82978] - Staining of human rectum shows moderate nuclear positivity in glandular cells.



Simple Western: SMCHD1 Antibody [NBP1-82978] - Electropherogram image(s) of corresponding Simple Western lane view. SMCHD1 antibody was used at 1:40 dilution on RT-4 lysates(s).



Publications

Capizzi M, Carpentier R, Denarier E Et al. Developmental defects in Huntington's disease show that axonal growth and microtubule reorganization require NUMA1 Neuron 2021-11-09 [PMID: 34793694] (WB, Mouse)

Lemmers RJ, Tawil R, Petek LM et al. Digenic inheritance of an SMCHD1 mutation and an FSHD-permissive D4Z4 allele causes facioscapulohumeral muscular dystrophy type 2. Nat Genet 2012-12-01 [PMID: 23143600]



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Products Related to NBP1-82978

NBP1-82978PEP	SMCHD1 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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