

Product Datasheet

Sirtuin 2/SIRT2 Antibody - BSA Free NBP1-87039

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

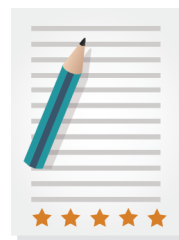
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NBP1-87039

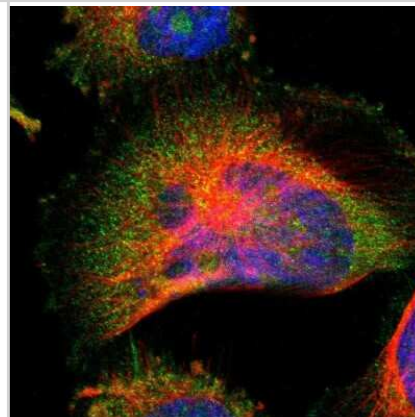
Sirtuin 2/SIRT2 Antibody - BSA Free

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 Sirtuin 2/SIRT2 Antibody - BSA Free (NBP1-87039) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Sirtuin 2/SIRT2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	22933
Gene Symbol	SIRT2
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (83%), Rat (83%). Human reactivity reported in scientific literature (PMID: 24469059).
Marker	Early Oligodendrocyte Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KDKGLLLRCYTQNIDTLERAGLEQEDLVEAHGTFYTSHCVSASCRHEYPLSW MKEKIFSEVTPKCEDCQSLVKPDIVFFGESLPARFFSCMQSDFLKVDLLL
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. WB reported in scientific literature (PMID: 24469059).

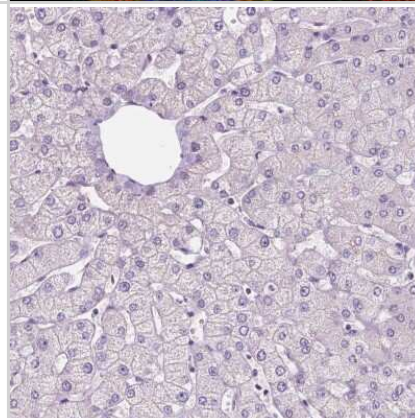


Images

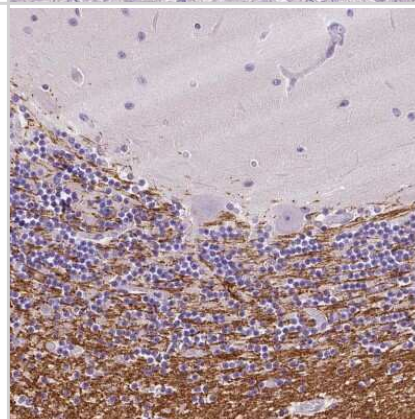
Immunocytochemistry/Immunofluorescence: Sirtuin 2/SIRT2 Antibody [NBP1-87039] - Staining of human cell line U-251 MG shows localization to nucleoli, plasma membrane and cytosol. Antibody stainign is shown in green.



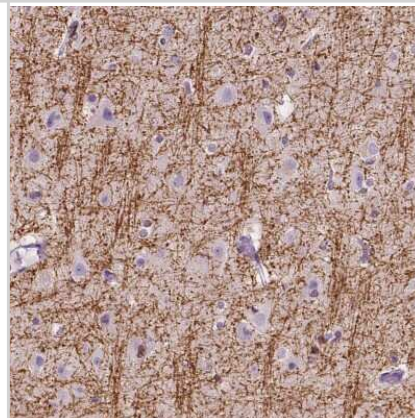
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039]
- Staining of human liver shows no positivity in hepatocytes as expected.



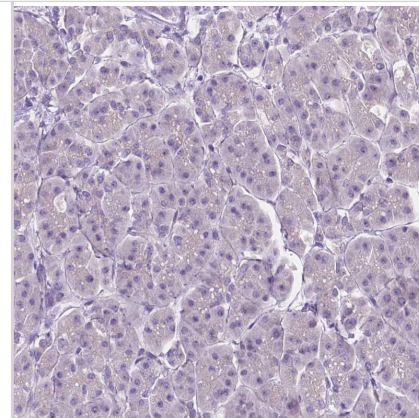
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039]
- Staining of human cerebellum shows moderate cytoplasmic positivity in oligodendrocytes.



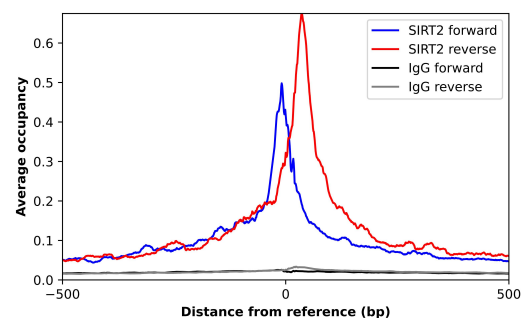
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039]
- Staining of human cerebral cortex shows moderate cytoplasmic positivity in oligodendrocytes.



Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



ChIP-Exo-Seq composite graph for Anti-SIRT2 (NBP1-87039) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

P K Bajpe, A Prahallad, H Horlings et al. A chromatin modifier genetic screen identifies SIRT2 as a modulator of response to targeted therapies through the regulation of MEK kinase activity. *Oncogene* 2014-01-27 [PMID: 24469059] (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 NBP1-87039

NBP1-87039PEP	Sirtuin 2/SIRT2 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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