

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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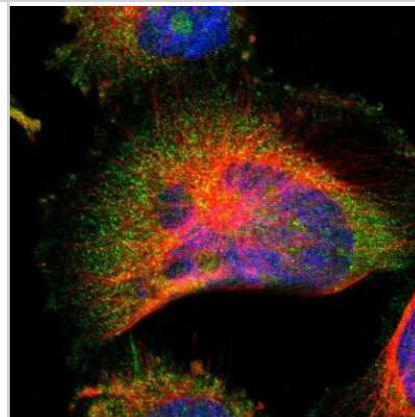
NBP1-87039

Sirtuin 2/SIRT2 Antibody - BSA Free

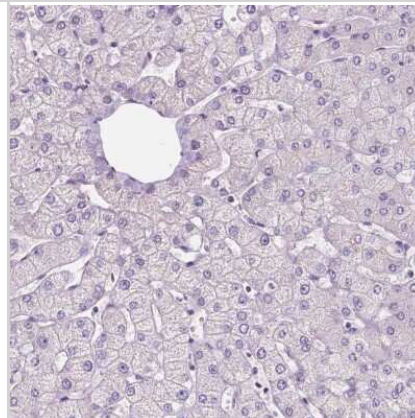
| Product Information | |
|------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | 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: KDKGLLLRCYTNIDTLERIAGLEQEDLVEAHGTFYTSHCVSASCRHEYPLSW 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

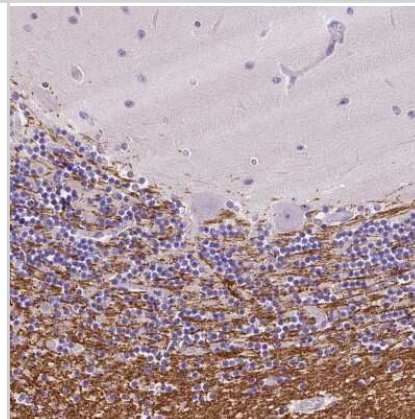
Immunocytochemistry/Immunofluorescence: Sirtuin 2/SIRT2 Antibody [NBP1-87039] - Staining of human cell line U-251 MG shows localization to nucleoli, plasma membrane and cytosol. Antibody stainign is shown in green.



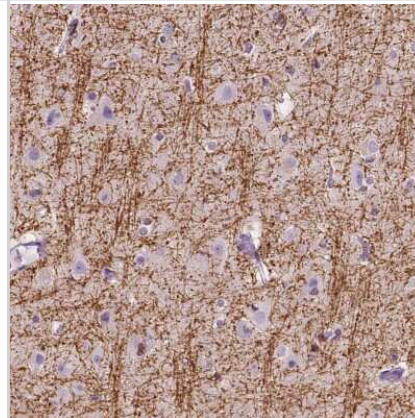
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039] - Staining of human liver shows no positivity in hepatocytes as expected.



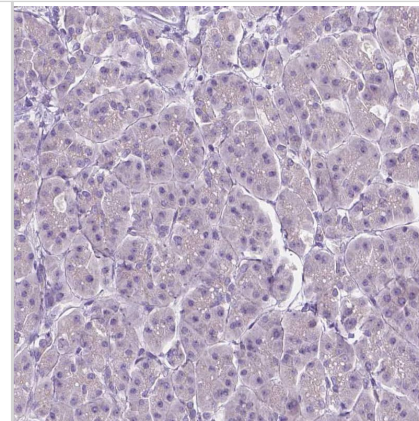
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039] - Staining of human cerebellum shows moderate cytoplasmic positivity in oligodendrocytes.



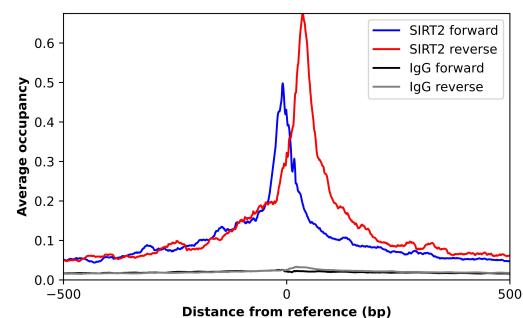
Immunohistochemistry-Paraffin: Sirtuin 2/SIRT2 Antibody [NBP1-87039] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in oligodendrocytes.



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)



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Products Related to NBP1-87039

| | |
|---------------|---|
| NBP1-87039PEP | Sirtuin 2/SIRT2 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 |

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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