

Product Datasheet

HINT2 Antibody - BSA Free

NBP1-86024

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 12/2/2025 v.20.1

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NBP1-86024

HINT2 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 |

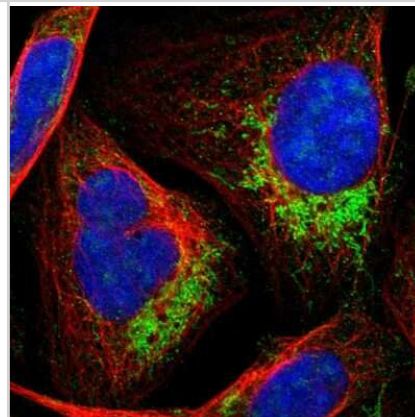
| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Rabbit HINT2 Antibody - BSA Free (NBP1-86024) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-HINT2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 84681 |
| Gene Symbol | HINT2 |
| Species | Human |
| Reactivity Notes | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (89%) |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: IPRISQAEEDQQLLGHLLLVAKQTAKAEGLGDGYRLVINDGKLGQAQSVYHLHI HVLGGRQLQWP |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

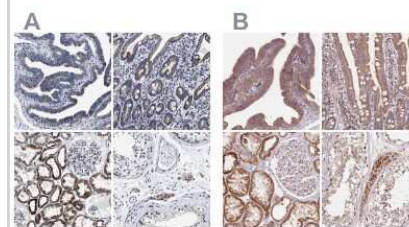


Images

Immunocytochemistry/Immunofluorescence: HINT2 Antibody [NBP1-86024] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



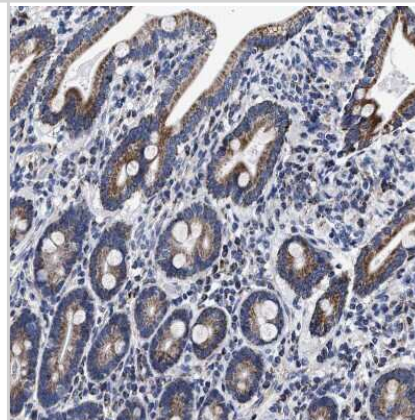
Immunohistochemistry-Paraffin: HINT2 Antibody [NBP1-86024] - Staining of human fallopian tube, gastrointestinal, kidney and testis using Anti-HINT2 antibody NBP1-86024 (A) shows similar protein distribution across tissues to independent antibody NBP2-56156 (B).



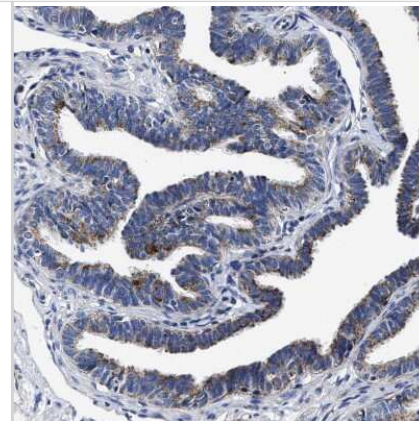
Immunohistochemistry-Paraffin: HINT2 Antibody [NBP1-86024] - Staining of human testis shows strong granular cytoplasmic positivity in Leydig cells.



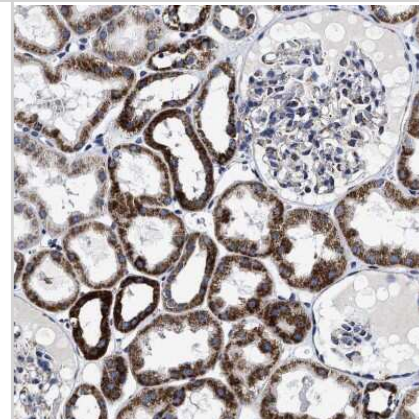
Immunohistochemistry-Paraffin: HINT2 Antibody [NBP1-86024] - Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.



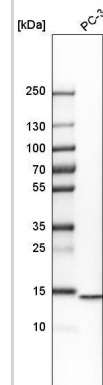
Immunohistochemistry-Paraffin: HINT2 Antibody [NBP1-86024] - Staining of human fallopian tube shows moderate granular cytoplasmic positivity in glandular cells.



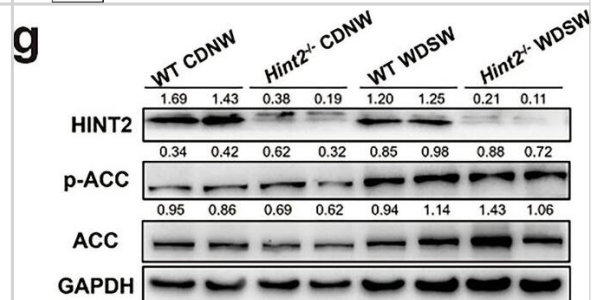
Immunohistochemistry-Paraffin: HINT2 Antibody [NBP1-86024] - Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



Analysis in human cell line PC-3.



HINT2 attenuates hepatic steatosis, inflammation, fibrosis and mitochondrial damage in MASH mice. a WT and *Hint2*^{-/-} mice were fed a WDSW for 24 weeks. b Body weights of the mice. c Serum liver enzymes of the mice. d H&E and Oil Red O staining (scale bars, 100 μ m) of mouse liver sections. e Intrahepatic TG contents of the mice. f mRNA levels of *Hint2*, *Cpt1a*, *Acaca* and *Fasn* in mouse livers. g Protein levels of total and phosphorylated ACC in mouse livers. h Serum MCP-1 concentrations of in mice. i mRNA levels of *Ccl2*, *Il8* and *Tnfa* in mouse livers. j Sirius Red and α -SMA staining (scale bars, 100 μ m) of mouse liver sections. k mRNA levels of *Col1a1* and *Acta2* in mouse livers. l TEM (scale bars, 2 μ m) of mouse liver sections. Data are presented as mean \pm s.d. **P* < 0.05, ***P* < 0.01, ****P* < 0.001, *****P* < 0.0001 (Student's *t*-test). Image collected and cropped by CiteAb from the following open publication (<https://www.nature.com/articles/s12276-025-01445-w>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wang Y, Hsu S, Tsai H et al. Transcriptomic and Proteomic Analysis of CRISPR/Cas9-Mediated ARC-Knockout HEK293 Cells International Journal of Molecular Sciences [PMID: 35562887] (WB, Human)

Chen L, Sun Q, Zhou D et al. HINT2 triggers mitochondrial Ca(2+) influx by regulating the mitochondrial Ca(2+) uniporter (MCU) complex and enhances gemcitabine apoptotic effect in pancreatic cancer Cancer Lett. 2017-09-23 [PMID: 28947137] (IF/IHC, Human)





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Products Related to NBP1-86024

| | |
|---------------|---|
| NBP1-86024PEP | HINT2 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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