

Product Datasheet

SOD1/Cu-Zn SOD Antibody - BSA Free NBP1-90186

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: 3

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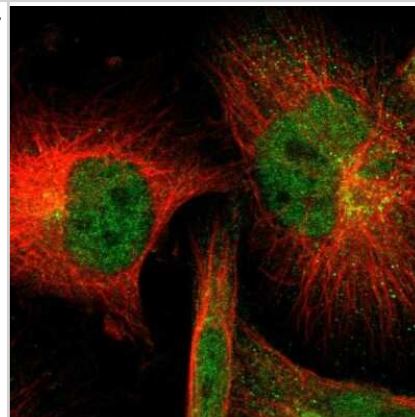
NBP1-90186**SOD1/Cu-Zn SOD Antibody - BSA Free**

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 SOD1/Cu-Zn SOD Antibody - BSA Free (NBP1-90186) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-SOD1/Cu-Zn SOD Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6647
Gene Symbol	SOD1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PVQGIINFQKESNGPVKVWGSIKGLTEGLHGFHVHEFGDNTAGCTSAGPHFN PLSRKHGGPKDEERHVGDLGNVTADKDGADVSIEDSVISLSGDHCIIIGRTLTVV HEKADDLGKGGNEESTKTGNAGSRLACG
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:30, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF 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 1:30, apparent MW was 25 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

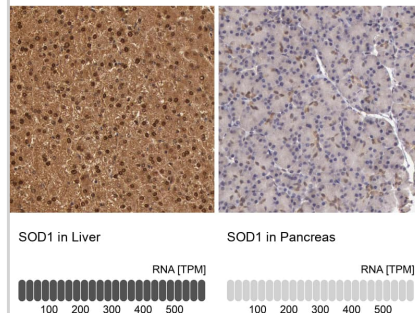


Images

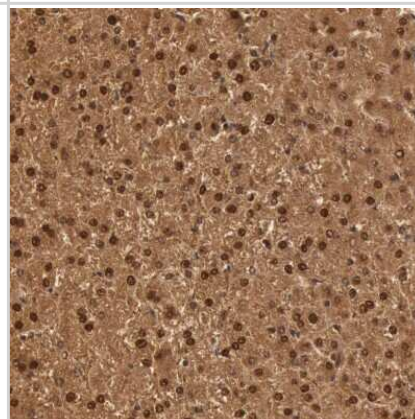
Immunocytochemistry/Immunofluorescence: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human cell line U-251 MG shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



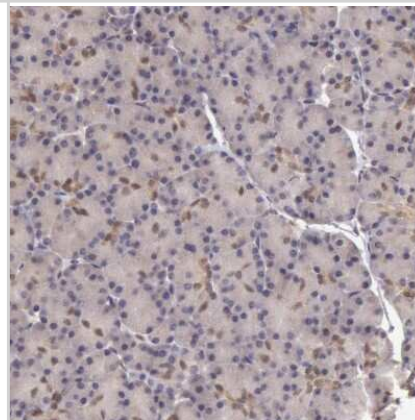
Analysis in human liver and pancreas tissues using NBP1-90186 antibody. Corresponding SOD1 RNA-seq data are presented for the same tissues.



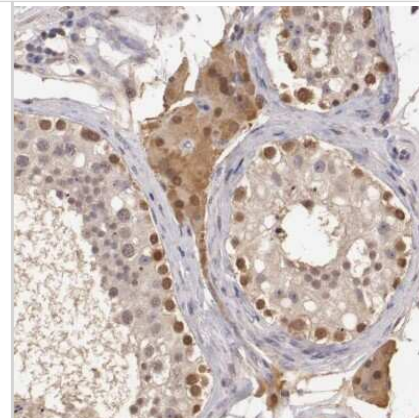
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - staining of human liver shows strong nuclear and cytoplasmic positivity in hepatocytes.



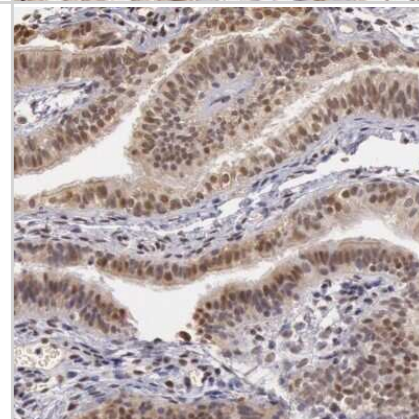
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human pancreas shows very weak nuclear positivity in exocrine glandular cells.



Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human testis shows moderate nuclear and cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



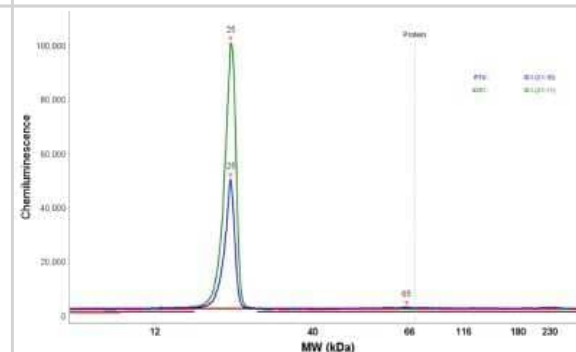
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human fallopian tube shows moderate nuclear positivity in glandular cells.



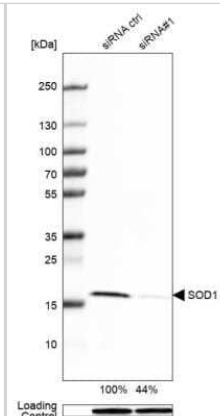
Simple Western: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Simple Western lane view shows a specific band for SOD1 in 0.2 mg/ml of RT-4 (left) and U-251MG sp (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



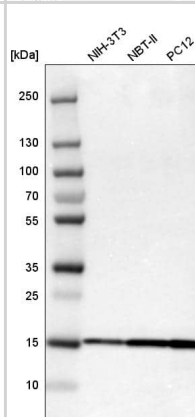
Simple Western: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Electropherogram image(s) of corresponding Simple Western lane view. SOD1/Cu-Zn SOD antibody was used at 1:30 dilution on RT-4 and U-251MG sp lysates(s).



Western Blot: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-SOD1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



Publications

Rutkowska A, Eberl HC, Werner T, Hennrich ML et Al. Synergistic Effects of PARP Inhibition and Cholesterol Biosynthesis Pathway Modulation Cancer Res Commun 2024-07-19 [PMID: 39028932]

Audrey Filezac de L'Etang, Niran Maharjan, Marisa Cordeiro Brana et al. Marinesco-Sjogren syndrome protein SIL1 regulates motor neuron subtype-selective ER stress in ALS. Nature Neuroscience 2015-01-05 [PMID: 25559081] (WB, IF/IHC, Mouse)

Miettinen TP, Bjorklund M. NQO2 Is a Reactive Oxygen Species Generating Off-Target for Acetaminophen. Mol Pharm 2014-12-01 [PMID: 25313982] (WB, Human)



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Products Related to NBP1-90186

NBP1-90186PEP	SOD1/Cu-Zn SOD 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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