

Product Datasheet

SOD1/Cu-Zn SOD Antibody

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

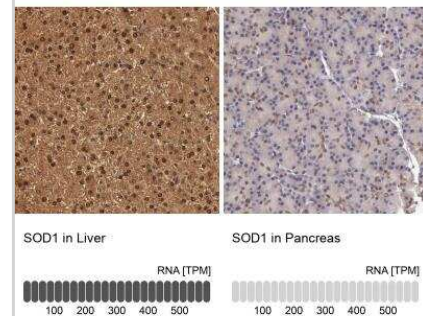
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	SOD1
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 25313982).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PVQGIINFEQKESNGPVKVGSIKGLTEGLHGFHVHEFGDNTAGCTSAGPHFN PLSRKHGGPKDEERHVGDLGNVTADKDGVADVSIEDSVISLSGDHCCIIGRTLTVV HEKADDLGGKGGNEESTKTGNAGSRLACG

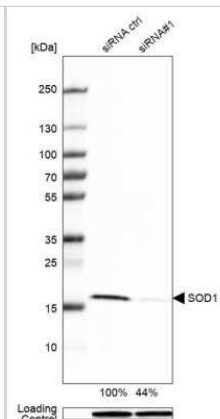
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:30, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ 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. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

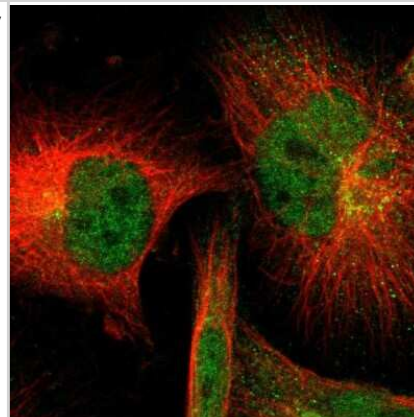
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining in human liver and pancreas tissues . Corresponding SOD1 RNA-seq data are presented for the same tissues.



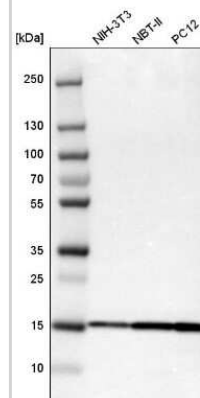
Western Blot: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-SOD1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



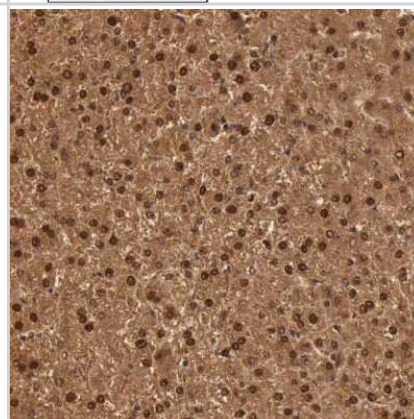
Immunocytochemistry/Immunofluorescence: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human cell line U-251 MG shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



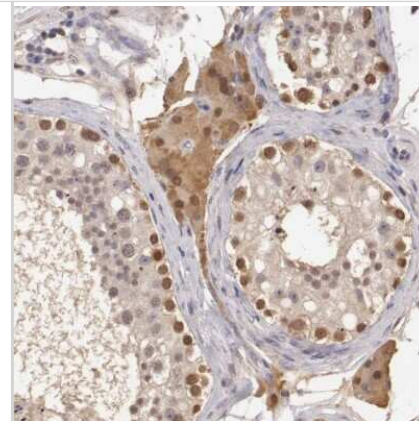
Western Blot: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



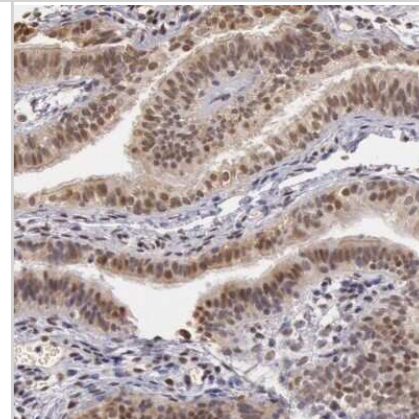
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - staining of human liver shows strong nuclear and cytoplasmic positivity in hepatocytes.



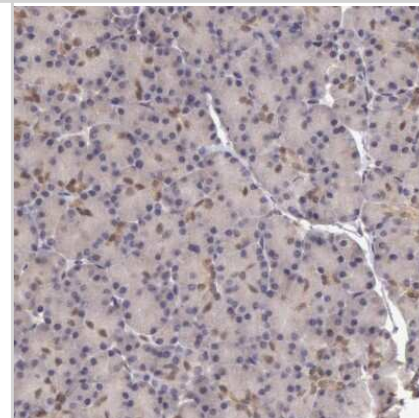
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human testis shows moderate nuclear and cytoplasmic positivity in cells in seminiferous ducts and Leydig cells.



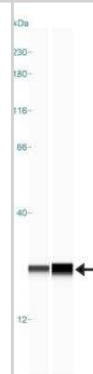
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human fallopian tube shows moderate nuclear positivity in glandular cells.



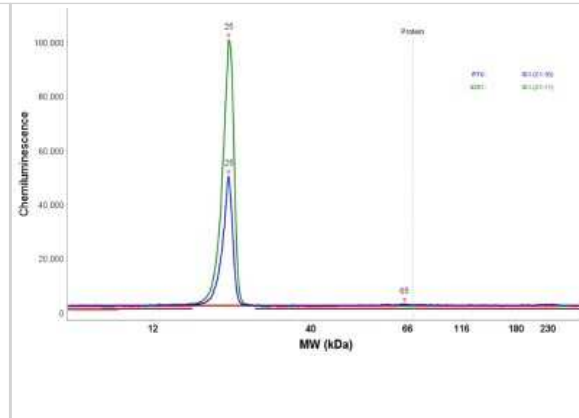
Immunohistochemistry-Paraffin: SOD1/Cu-Zn SOD Antibody [NBP1-90186] - Staining of human pancreas shows very weak nuclear positivity in exocrine glandular cells.



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).



Publications

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

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