

Product Datasheet

SOD2/Mn-SOD Antibody - BSA Free NBP2-20535

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-20535

SOD2/Mn-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	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	25 kDa

Product Description

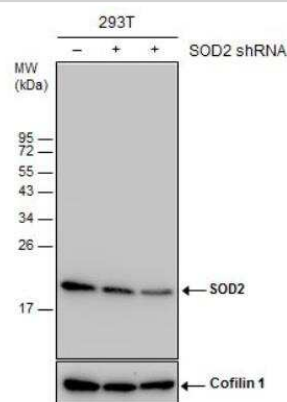
Host	Rabbit
Gene ID	6648
Gene Symbol	SOD2
Species	Human, Mouse, Rat, Alligator, Avian
Immunogen	Full length human SOD2/Mn-SOD Recombinant protein.

Product Application Details

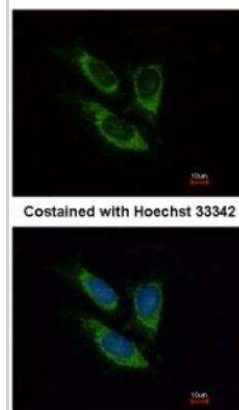
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen
Application Notes	IHC-FR- Assay dependent

Images

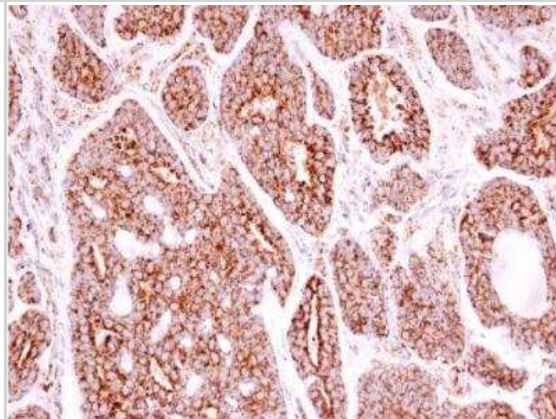
Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody. HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



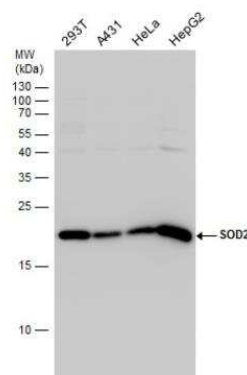
Immunocytochemistry/Immunofluorescence: SOD2/Mn-SOD Antibody [NBP2-20535] - Analysis of methanol-fixed HeLa, using antibody at 1:200 dilution.



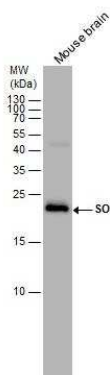
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP2-20535] - Human breast carcinoma. SOD2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



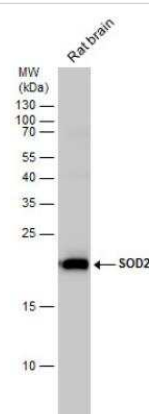
Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody diluted by 1:1000.



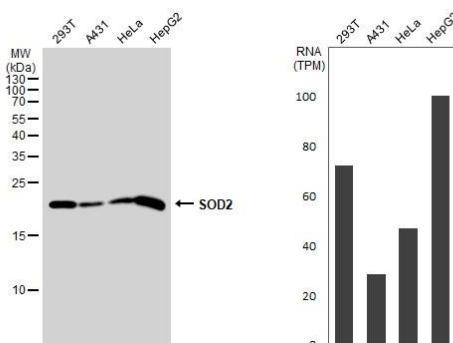
Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Mouse tissue extracts (50 ug) was separated by 15 % SDS-PAGE, and the membrane was blotted with SOD2 antibody diluted by 1:1000.



Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Rat tissue extracts (50 ug) was separated by 15 % SDS-PAGE, and the membrane was blotted with SOD2 antibody diluted by 1:2500.



Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Publications

Piotrowska K, Zgutka K, Tomasiak P et al. Every-other day (EOD) feeding regime decreases oxidative stress and inflammatory cascade in mouse liver: The immunohistochemical study *Tissue & cell* 2023-10-06 [PMID: 37812950] (Immunohistochemistry, Mouse)

Hernandez J, Schiffer J, Herden C et al. n-3 Polyunsaturated Fatty Acids Modulate LPS-Induced ARDS and the Lung-Brain Axis of Communication in Wild-Type versus Fat-1 Mice Genetically Modified for Leukotriene B4 Receptor 1 or Chemerin Receptor 23 Knockout *International Journal of Molecular Sciences* 2023-08-31 [PMID: 37686333] (Block/Neutralize)

Gallo G, Forte M, Cotugno M et al. Polymorphic variants at NDUFC2, encoding a mitochondrial complex I subunit, associate with cardiac hypertrophy in human hypertension *Molecular Medicine* 2023-08-09 [PMID: 37558995] (Western Blot)

Lee J, Jung SY, Yang KJ et al. alpha-Lipoic acid prevents against cisplatin cytotoxicity via activation of the NRF2/HO-1 antioxidant pathway *PLoS ONE* 2019-12-26 [PMID: 31877176] (WB, Mouse)

Vidimar V, Gius D, Chakravarti D et al. Dysfunctional MnSOD leads to redox dysregulation and activation of prosurvival AKT signaling in uterine leiomyomas. *Sci Adv.* 2016-11-01 [PMID: 27847869] (IF/IHC, Human)

Davis SM, Collier LA, Leonardo CC et al. Leukemia Inhibitory Factor Protects Neurons from Ischemic Damage via Upregulation of Superoxide Dismutase 3. *Mol. Neurobiol.* 2016-01-09 [PMID: 26746670] (WB, Rat)



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 NBP2-20535

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52079-0.1mg	Recombinant Mouse SOD2/Mn-SOD His Protein

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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