

# 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.

[www.novusbio.com](http://www.novusbio.com)



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**NBP2-20535**

SOD2/Mn-SOD Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	25 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit SOD2/Mn-SOD Antibody - BSA Free (NBP2-20535) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SOD2/Mn-SOD Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6648
<b>Gene Symbol</b>	SOD2
<b>Species</b>	Human, Mouse, Rat, Alligator, Avian
<b>Immunogen</b>	Full length human SOD2/Mn-SOD Recombinant protein.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	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 Assay dependent

**Images**

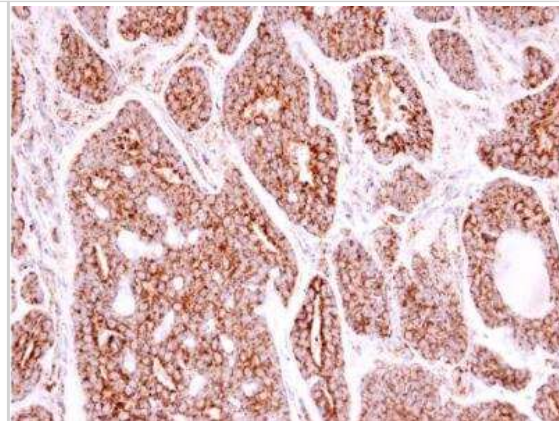
Immunocytochemistry/Immunofluorescence: SOD2/Mn-SOD Antibody [NBP2-20535] - Analysis of methanol-fixed HeLa, using antibody at 1:200 dilution.



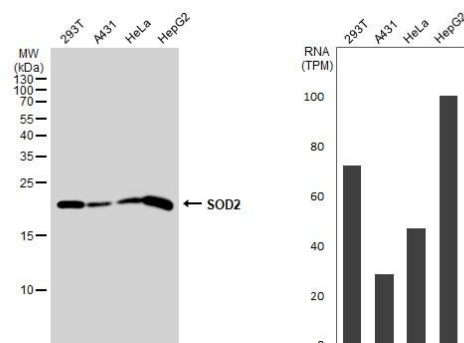
Costained with Hoechst 33342



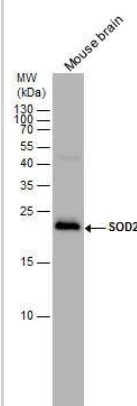
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP2-20535]  
 - Human breast carcinoma. SOD2 antibody diluted at 1:500. Antigen  
 Retrieval: Citrate buffer, pH 6.0, 15 min.



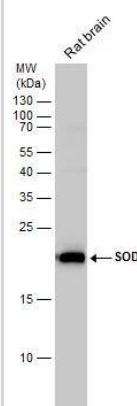
Western Blot: SOD2/Mn-SOD Antibody [NBP2-20535] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data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



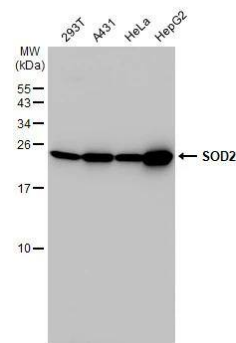
SOD2 antibody detects SOD2 protein by western blot analysis. Mouse tissue extracts (50 ug) was separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody (NBP2-20535) diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



SOD2 antibody detects SOD2 protein by western blot analysis. Rat tissue extracts (50 ug) was separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody (NBP2-20535) diluted by 1:2500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with SOD2 antibody (NBP2-20535) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Lv Y, Zhu D, Li J et al. Plant-derived hydrogel and photosynthetic nano-units for myocardial infarction therapy. *Nature Communications* 2025-08-18 [PMID: 40825772]

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, Rat)

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] (Western Blot, Rat)

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)

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 pro-survival 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)



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### **Products Related to NBP2-20535**

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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

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### **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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