

# Product Datasheet

## SOD2/Mn-SOD Antibody - BSA Free NBP1-86169

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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



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### Publications: 3

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Updated 2/21/2025 v.20.1

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**NBP1-86169**

SOD2/Mn-SOD Antibody - BSA Free

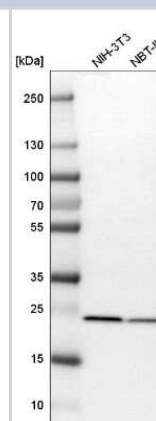
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	6648
Gene Symbol	SOD2
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID:19351664)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VCGTSRQLAPVLGYLGSRQKHSLPDLPYDYGALPHINAQIMQLHHSKHHAAY VNNLNVTEEKYQEALAKGDVTAQIALQPALKFNNGGGHINHSIFWTNLSPNGGG EPKGELLEAIKRDFGSFDKFKEKLTAASVGVQSGWGWL

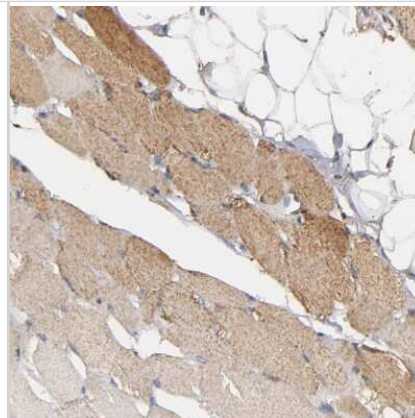
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	IHC reported in scientific literature (PMID: 23646114). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

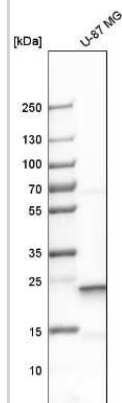
Western Blot: SOD2/Mn-SOD Antibody [NBP1-86169] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



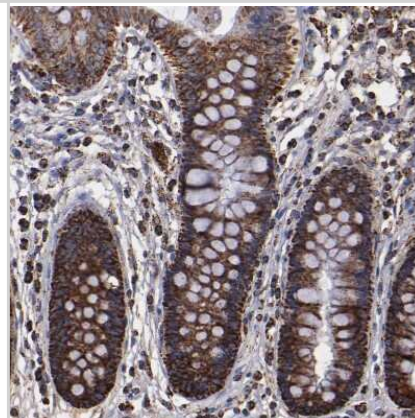
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human skeletal muscle shows moderate granular cytoplasmic positivity in myocytes.



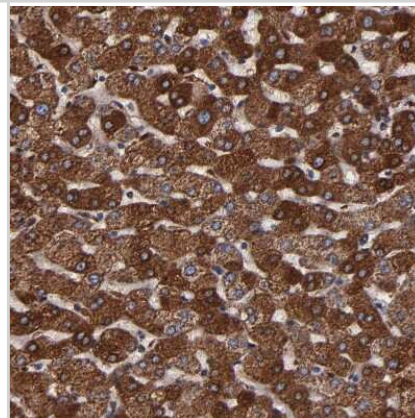
Western Blot: SOD2/Mn-SOD Antibody [NBP1-86169] - Analysis in human cell line U-87 MG.



Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human colon shows strong granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



## Publications

Arimappamagan A, Somasundaram K, Thennarasu K et al. A Fourteen Gene GBM Prognostic Signature Identifies Association of Immune Response Pathway and Mesenchymal Subtype with High Risk Group. PLoS One 2013-01-01 [PMID: 23646114] (IF/IHC)

Lindfors C, Nilsson IA, Garcia-Roves PM et al. Hypothalamic mitochondrial dysfunction associated with anorexia in the anx/anx mouse. Proc Natl Acad Sci U S A 2011-11-01 [PMID: 22025706]

Mulder J, Bjorling E, Jonasson K et al. Tissue Profiling of the Mammalian Central Nervous System Using Human Antibody-based Proteomics. Mol Cell Proteomics 2009-07-01 [PMID: 19351664]





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### **Products Related to NBP1-86169**

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NBP1-86169PEP	SOD2/Mn-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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### **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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