

# 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 12/2/2025 v.20.1

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**NBP1-86169**

SOD2/Mn-SOD Antibody - BSA Free

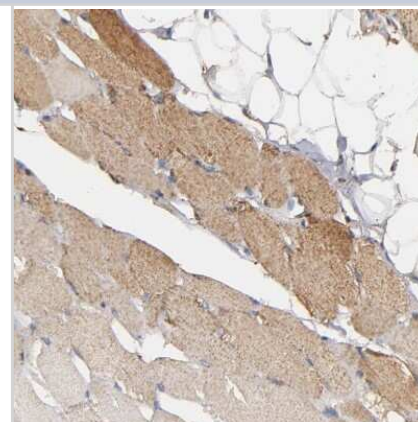
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit SOD2/Mn-SOD Antibody - BSA Free (NBP1-86169) is a polyclonal antibody validated for use in IHC and WB. Anti-SOD2/Mn-SOD Antibody: Cited in 3 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
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID:19351664)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VCGTSRQLAPVLGYLGSRQKHSLPDLPYDYGALEPHINAQIMQLHHSKHHAAY VNNLNVTEEKYQEALAKGDVTAQIALQPALKFNNGGGHINHSIFWTNLSPNGGG EPKGELLEAIKRDFGSFDFKFKELTAASVGVQGSQGWL

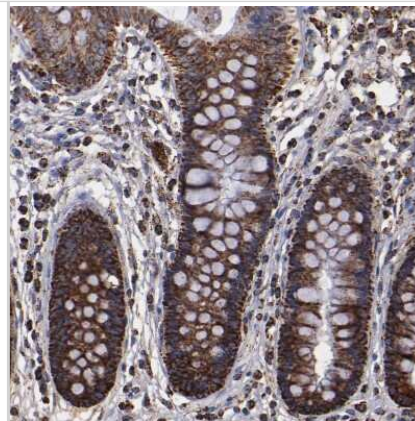
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	IHC reported in scientific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

**Images**

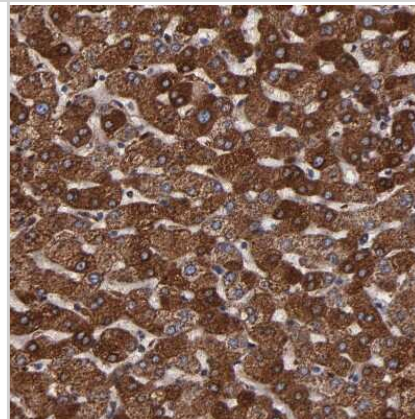
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human skeletal muscle shows moderate granular cytoplasmic positivity in myocytes.



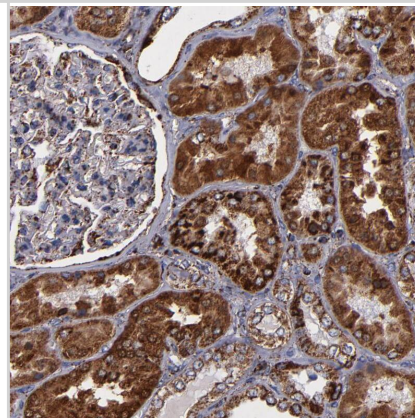
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human colon shows strong granular cytoplasmic positivity in glandular cells.



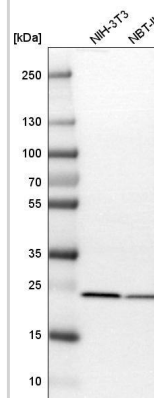
Immunohistochemistry-Paraffin: SOD2/Mn-SOD Antibody [NBP1-86169]  
- Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



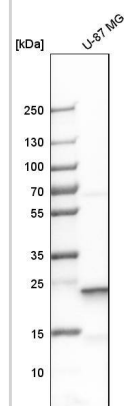
Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



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



Analysis in human cell line U-87 MG.



## 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
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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