



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP58529_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/sod2-antibody-n-terminal-region-hrp-arp58529-p050-hrp.html">www.avivasysbio.com/sod2-antibody-n-terminal-region-hrp-arp58529-p050-hrp.html</a>
Name	SOD2 Antibody - N-terminal region : HRP (ARP58529_P050-HRP)
Protein Size (# AA)	222 amino acids
Molecular Weight	24kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	6648
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Superoxide dismutase 2, mitochondrial
Alias Symbols	IPOB, IPO-B, MNSOD, MVCD6, GCInc1, Mn-SOD
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">MLSRAVCGTSRQLAPVLGYLGSRQKHSLPDLPYDYGALEPHINAQIMQLH</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Martin,R.C., (2008) DNA Cell Biol. 27 (6), 321-323
Description of Target	SOD2 is a member of the iron/manganese superoxide dismutase family. SOD2 is a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene encoding SOD2 have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Protein Interactions	CYP4F12; UBC; SOD2; SOD1; APP; NABP2; TBL2; ZC3H11A; VAPA; STX7; UBL4A; ALDH5A1; USP36; H2AFX; SUMO1; NOL12; HDHD2; GET4; RPS3A; RAB4A; AURKA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-SOD2 (ARP58529_P050-HRP) antibody</a>
Blocking Peptide	For anti-SOD2 (ARP58529_P050-HRP) antibody is <a href="#">Catalog# AAP58529</a> (Previous Catalog # AAPP34826)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SOD2
Uniprot ID	<a href="#">P04179</a>
Protein Name	Superoxide dismutase [Mn], mitochondrial
Protein Accession #	<a href="#">NP_000627</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_000636</a>
Gene Symbol	<a href="#">SOD2</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
Application	WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%
<b>Image 1</b>	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.

---

AVIVA SYSTEMS BIOLOGY  
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)