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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- 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

www.szabo-scandic.com

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

SOD2 MaxPab mouse polyclonal antibody (B02) MaxPab®

Catalog # : H00006648-B02

規格 : [50 uL]

[List All](#)
Specification

Product Description: Mouse polyclonal antibody raised against a full-length human SOD2 protein.

Immunogen: SOD2 (NP_001019636, 1 a.a. ~ 222 a.a) full-length human protein.

Sequence:
 MLSRAVCGTSRQLAPVLGYLGSRQKHSLPDLPYDYGALPHINAQIMQL
 HHSKHHAAYVNNLNVTEEKYQEALAKGDVT AQIALQPALKFNGGGHINHSI
 FWTNLSPNGGGEKPKGELLEAIKRDFGSFDFKFEKLT AASVGVQGSWG
 WLGFNKERGHLQIACPNQDPLQGTTGLIPLLGDVWEHAYYLQYKNVR
 PDYLKAIWNVINWENVTERYMACKK

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

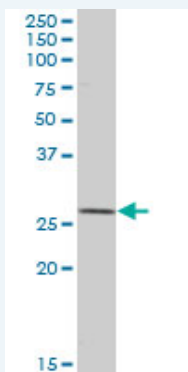
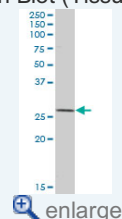
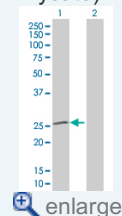
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

MSDS:  [Download](#)


Datasheet:  [Download](#)

Publication Reference

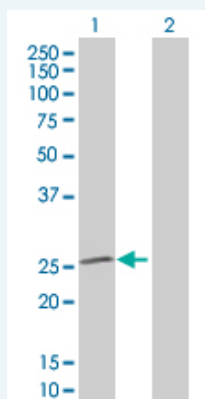
1. [Compartmentalized oxidative stress in dopaminergic cell death induced by pesticides and complex I inhibitors: Distinct roles of superoxide anion and superoxide dismutases.](#) Rodriguez-Rocha H, Garcia-Garcia A, Pickett C, Sumin L, Jones J, Chen H, Webb B, Choi J, Zhou Y, Zimmerman MC, Franco R. *Free Radic Biol Med.* 2013 Apr 19. pii: S0891-5849(13)00161-5. doi: 10.1016/j.freeradbiomed.2013.04.021.

Applications
Western Blot (Tissue lysate)

Application Image
Western Blot (Tissue lysate)

Western Blot (Transfected lysate)


SOD2 MaxPab polyclonal antibody. Western Blot analysis of SOD2 expression in human spleen.

 Protocol Download

Western Blot (Transfected lysate)



Western Blot analysis of SOD2 expression in transfected 293T cell line ([H00006648-T02](#)) by SOD2 MaxPab polyclonal antibody.

Lane 1: SOD2 transfected lysate(24.42 KDa).

Lane 2: Non-transfected lysate.

 Protocol Download

Gene Information

Entrez GeneID: [6648](#)

GeneBank [NM_001024465](#)

Accession#:

Protein [NP_001019636](#)

Accession#:

Gene Name: SOD2

Gene Alias: IPO-B,MNSOD,Mn-SOD

Gene Description: superoxide dismutase 2, mitochondrial

Omim ID: [147460](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: Mn superoxide dismutase,OTTHUMP00000017530,OTTHUMP00000017531,indophenoloxidase B,manganese superoxide dismutase,manganese-containing superoxide dismutase,mangano-superoxide dismutase

Gene Pathway

[Huntington's disease](#)

Related Disease

[Acute Disease](#) [Adenocarcinoma](#) [Akathisia](#), [Drug-Induced Albuminuria](#) [Alcoholism](#)
[Alzheimer Disease](#) [Alzheimer disease](#) [Amphetamine-Related Disorders](#)
[Angina Pectoris, Variant](#) [Arsenic Poisoning](#) [Arthritis, Psoriatic](#) [Arthritis, Reactive](#)
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