

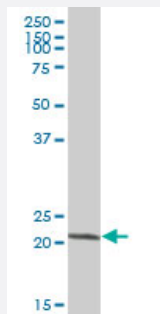
MaxPab®

SOD2 purified MaxPab mouse polyclonal antibody (B03P)

Catalog # H00006648-B03P

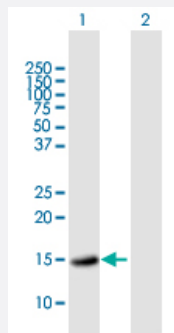
Size 50 ug

Applications



Western Blot (Tissue lysate)

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



Western Blot (Transfected lysate)

Western Blot analysis of SOD2 expression in transfected 293T cell line ([H00006648-T03](#)) by SOD2 MaxPab polyclonal antibody.

Lane 1: SOD2 transfected lysate(15.51 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SOD2 protein.
Immunogen	SOD2 (AAH16934.1 , 1 a.a. ~ 140 a.a) full-length human protein.
Sequence	MLSRVCGTSRQLAPALGYLGSRQKHSLPDLPYDYGALEPHINAQIMQLHHSKHHAAYVNNLNVT EEKYQEALAKGRFQAERREAVPGRGDPREPGPIRTGLSVEENSLRICTGSEFSRHDLSLFSKHMV YLIVEGVPRWV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (83); Rat (82)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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

[Protocol Download](#)

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Western Blot analysis of SOD2 expression in transfected 293T cell line ([H00006648-T03](#)) by SOD2 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — SOD2

Entrez GeneID	6648
GeneBank Accession#	BC016934.1
Protein Accession#	AAH16934.1
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

Disease

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- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Angina Pectoris](#)
- [Arsenic Poisoning](#)
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