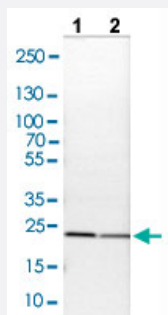


SOD2 polyclonal antibody

Catalog # PAB30220

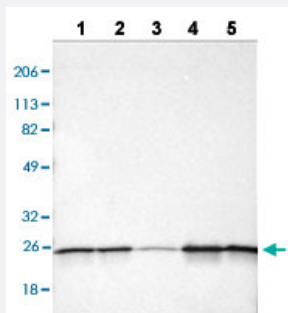
Size 100 uL

Applications



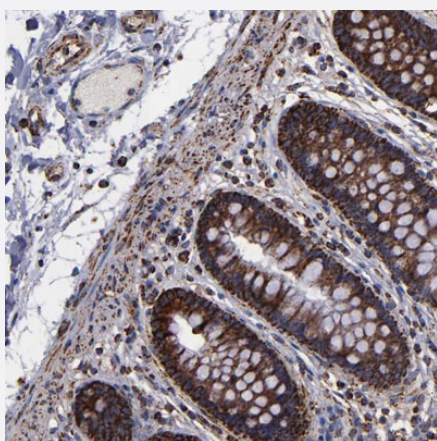
Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH/3T3 cell lysate and Lane 2: NBT-II cell lysate with SOD2 polyclonal antibody (Cat # PAB30220).



Western Blot

Western blot analysis of Lane 1: RT-4 cell line, Lane 2: U-251MG sp cell line, Lane 3: A-431 cell line, Lane 4: human liver tissue, and Lane 5: human tonsil tissue with SOD2 polyclonal antibody (Cat # PAB30220).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon shows strong granular cytoplasmic positivity in glandular cells with SOD2 polyclonal antibody (Cat # PAB30220).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human SOD2.
Immunogen	Recombinant protein corresponding to amino acids 6 - 150 of human SOD2.
Sequence	VCGTSRQLAPVLGYLGSRQKHSLPDLPYDYGALPHINAQIMQLHHSKHHAAYVNNLNVTEEKYQ EALAKGDVTAQIALQPALKFNGGGHINHSIFWTNLSPNGGGEPKGELLEAIKRDFGSFDKFKEKLT AASVGVQGSGWGWL
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000 - 1:2500) Western Blot (1:100 - 1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH/3T3 cell lysate and Lane 2: NBT-II cell lysate with SOD2 polyclonal antibody (Cat # PAB30220).

- Western Blot

Western blot analysis of Lane 1: RT-4 cell line, Lane 2: U-251MG sp cell line, Lane 3: A-431 cell line, Lane 4: human liver tissue, and Lane 5: human tonsil tissue with SOD2 polyclonal antibody (Cat # PAB30220).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon shows strong granular cytoplasmic positivity in glandular cells with SOD2 polyclonal antibody (Cat # PAB30220).

Gene Info — SOD2

Entrez GeneID	6648
Protein Accession#	P04179
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 indophenoxidase B manganese superoxide dismutase manganese-containing superoxide dismutase mangano-superoxide dismutase

Disease

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- [Albuminuria](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Angina Pectoris](#)
- [Arsenic Poisoning](#)
- [Arthritis](#)
- [Asbestosis](#)

- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
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- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)

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- [Diabetic Nephropathies](#)
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- [Disease Progression](#)
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- [Drug-Induced Liver Injury](#)
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- [Syndrome](#)
- [Tobacco Use Disorder](#)
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- [Uterine Cervical Neoplasms](#)

- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)