Rabbit SOD2/MnSOD Polyclonal Antibody | anti-SOD2/MnSOD antibody

Acetyl-SOD2/MnSOD (Lys68) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329303	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

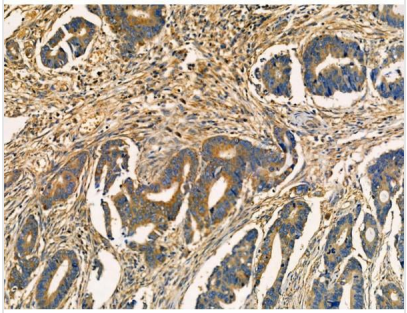
PRODUCT SYNONYMS

SOD2/MnSOD; Polyclonal Antibody; Acetyl-SOD2/MnSOD (Lys68) Antibody; Indophenoloxidase B; IPO B; IPOB; Manganese containing superoxide dismutase; Manganese SOD; Manganese superoxide dismutase; Mangano superoxide dismutase; Mn SOD; Mn superoxide dismutase; MNSOD; MVCD6; SOD 2; SOD2; SODM_HUMAN; Superoxide dismutase [Mn] mitochondrial; Superoxide dismutase [Mn]; mitochondrial; Superoxide dismutase 2 mitochondrial; anti-SOD2/MnSOD antibody

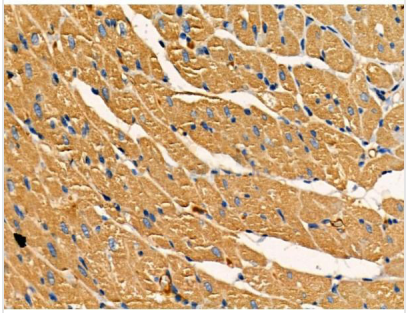
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SOD2/MnSOD antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SOD2 around the acetylation site of Lys68.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

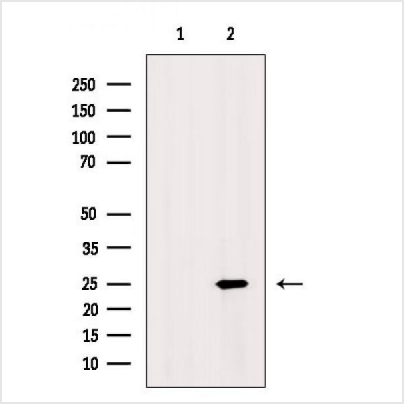
IMAGES



IHC (Immunohistochemisry)
At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
Staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Mouse kidney, using Acetyl-SOD2/MnSOD (Lys68) Antibody. The lane on the left was treated with blocking peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134665
NCBI GeneID	6648
UniProt Accession #	P04179; P78434; Q16792; Q5TCM1; Q96EE6; Q9P2Z3; B2R7R1; B3KUK2; B4DL20; B4E3K9; E1P5A9
Molecular Weight	25 kD
NCBI Official Full Name	Superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 2, mitochondrial
NCBI Official Symbol	SOD2
NCBI Official Synonym Symbols	IPOB; MNSOD; MVCD6
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial; superoxide dismutase [Mn], mitochondrial; indophenoloxidase B; Mn superoxide dismutase; mangano-superoxide dismutase; manganese-containing superoxide dismutase
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	**SOD2**
UniProt Entry Name	SODM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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