

SOD2 recombinant antibody

SOD2 Antibody

CATALOG # AAA243937	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

SOD2; Monoclonal Recombinant Antibody; SOD2 Antibody; Superoxide dismutase [Mn]; mitochondrial (EC 1.15.1.1); SOD2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	10F6
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for SOD2 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human SOD2
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, HepG2 whole cell lysate, U87 whole cell lysate, K562 whole cell lysate, Rat brain tissue, Brain tissue, Liver tissueAll lanes: SOD2 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 25, 21, 19, 20 kDaObserved band size: 25 kDa

ADDITIONAL INFORMATION

Related Product Information for SOD2 recombinant antibody	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
Product Categories/Family for SOD2 recombinant antibody	Neuroscience; Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction

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	222
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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sod2-recombinant-antibody-clone-10f6-immunohistochemistry-western-blot-elisa/243937>