

Rabbit SOD2 Polyclonal Antibody | anti-SOD2 antibody

SOD2 Polyclonal Antibody

CATALOG # AAA179808	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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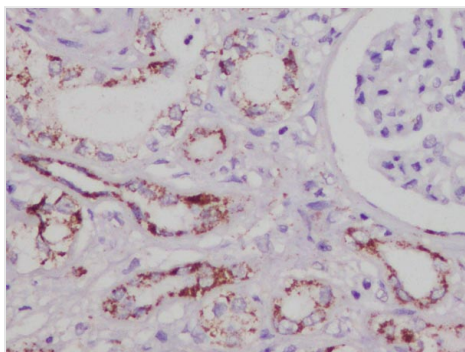
PRODUCT SYNONYMS

SOD2; Polyclonal Antibody; SOD2 Polyclonal Antibody; Superoxide dismutase [Mn]; mitochondrial; EC:1.15.1.1; anti-SOD2 antibody

PRODUCT SPECIFICATIONS

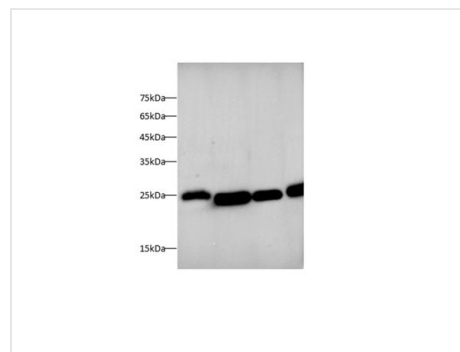
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-SOD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human SOD2 protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.

IMAGES



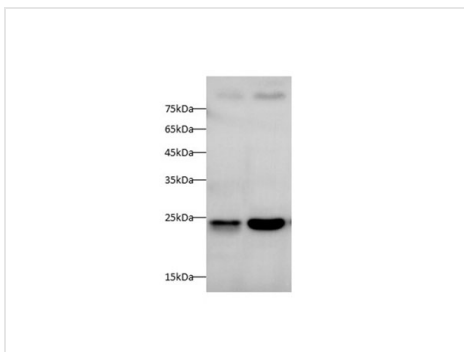
IHC (Immunohistochemistry)

Immunohistochemistry of paraffinembedded Human kidney using SOD2 Polyclonal Antibody at dilution of 1:800



WB (Western Blot)

Western blot with SOD2 Polyclonal antibody at dilution of 1:1000. lane 1: Mouse brain, lane 2: Mouse heart, lane 3: Rat brain, lane 4: Rat heart



WB (Western Blot)

Western blot with SOD2 Polyclonal antibody at dilution of 1:1000. lane 1: SH-SY5Y whole cell lysate, lane 2: Hela whole cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SOD2 antibody	Superoxide dismutases (SOD) are important anti-oxidant enzymes that guard against superoxide toxicity. In humans, as in all mammals and most chordates, three forms of superoxide dismutase (SOD) are present: SOD1 is located in the cytoplasm, SOD2 in the mitochondria, and SOD3 is extracellular. Mitochondrial superoxide dismutase [SOD;manganese SOD (MnSOD) or SOD2] neutralizes highly reactive superoxide radical ($O_2^{\cdot-}$), the first member in the plethora of mitochondrial reactive oxygen species.
Product Categories/Family for anti-SOD2 antibody	Polyclonal Antibodies ; Primary Antibodies ; Polyclonal Antibodies ; Cancer ; Cell Biology ; Cardiovascular ; Metabolism ; Neuroscience ; 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://www.aaabiotech.com/polyclonal/sod2-antibody-immunohistochemistry-western-blot-elisa/179808>