

Rabbit Superoxide Dismutase 2, Mitochondrial (SOD2) Polyclonal Antibody | anti-SOD2 antibody

Polyclonal Antibody to Superoxide Dismutase 2, Mitochondrial (SOD2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA131987	Rabbit	Mouse, Human, Rat	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry

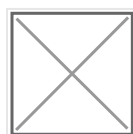
PRODUCT SYNONYMS

Superoxide Dismutase 2; Mitochondrial (SOD2); Polyclonal Antibody; Polyclonal Antibody to Superoxide Dismutase 2; anti-SOD2 antibody

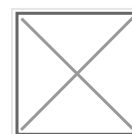
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against SOD2. It has been selected for its ability to recognize SOD2 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% Na ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a His-tag and its sequence is listed below. M GHHHHHHSGS -KHSLPDLPY DYGALEPHIN AQIMQLHHSK HHAAYVNNLN ATEEKYHEAL AKGDVTTQVA LQPALKFNGG GHINHTIFWT NLSPKGGGEP KGELLEAIKR DFGSFEKFKE KLTAVSVGVQ GSGWGWLGFN KEQGRQLQIAA CSNQDPLQGT TGLIPLLID VWEHAYYLQY KNVRPDYLKA IWNVINWENV TERYTACKK
Sequence Length	222
Applicable Applications for anti-SOD2 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Immunogen	Recombinant SOD2 (Lys25-Lys222) expressed in E.coli.
Cross Reactivity	Mouse, Rat
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
DAB staining on IHC-P; Samples: Mouse Kidney Tissue.



IHC (Immunohistochemistry)
DAB staining on IHC-P; Samples: Mouse Stomach Tissue

**IHC (Immunohistochemistry)**

DAB staining on IHC-P; Samples: Mouse Spleen Tissue.

**WB (Western Blot)**

Western Blot: Sample: Recombinant SOD2, Mouse.

**WB (Western Blot)**

Western Blot: Sample: Lane1: Mouse Heart Tissue; Lane2: Mouse Liver Tissue; Lane3: Rat Brain Tissue.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31980762
NCBI GeneID	20656
NCBI Accession #	NP_038699.2
NCBI GenBank Nucleotide #	NM_013671.3
UniProt Accession #	P09671 ; Q64670 ; Q8VEM5
Molecular Weight	24,603 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 2, mitochondrial
NCBI Official Symbol	Sod2
NCBI Official Synonym Symbols	MnSOD; Sod-2
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	Sod2
UniProt Synonym Gene Names	Sod-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/superoxide-dismutase-2-mitochondrial-sod2-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/131987>