

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

Polyclonal Antibody to Superoxide Dismutase 2, Mitochondrial (SOD2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA133355	Rabbit	Human, Rat	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry

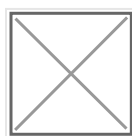
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

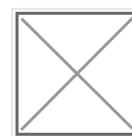
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against SOD2. It has been selected for its ability to recognize SOD2 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied 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 GHHHHHSGS -KHSLPDLPY DYGALEPHIN AQIMQLHHSK HHATYVNNLN VTEEKYHEAL AKGDVTTQVA LQPALKFNGG GHINHSIFWT NLSPKGGGEP KGELLEAIKR DFGSFEKFKE KLTAVSVGVQ GSGWGWLGFN KEQGRLQIAA CSNQDPLQGT TGLIPLLID VWEHAYYLQY KNVRPDYLKA IWNVINWENV SQRYIVCKK
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	Human, 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



Knockout Validation

Knockout Validation: Lane 1: Wild-type HeLa cell lysate;; Lane 2: SOD2 knockout HeLa cell lysate;; Predicted MW: 25kDa ; Observed MW: 22kDa; Primary Ab: 1ug/ml Rabbit Anti-Rat SOD2 Antibody; Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody;



IHC (Immunohistochemistry)

DAB staining on formalin fixed paraffin-embedded liver tissue

**WB (Western Blot)**

Western Blot: Sample: Recombinant protein.

**WB (Western Blot)**

Western Blot: Sample: Human MCF7 cell lysate; Primary Ab: 1ug/ml Rabbit Anti-Rat SOD2
Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-SOD2 antibody

Knock-Out Validation Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	8394331
NCBI GeneID	24787
NCBI Accession #	NP_058747.1
NCBI GenBank Nucleotide #	NM_017051.2
UniProt Accession #	P07895
Molecular Weight	24,674 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 2
NCBI Official Symbol	Sod2
NCBI Official Synonym Symbols	MnSOD
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial
UniProt Protein Name	Superoxide dismutase [Mn], mitochondrial
UniProt Gene Name	Sod2

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/polyclonal/superoxide-dismutase-2-mitochondrial-sod2-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/133355>