

Goat MNSOD Polyclonal Antibody | anti-SOD2 antibody

Goat anti-MNSOD (aa119-130) Antibody

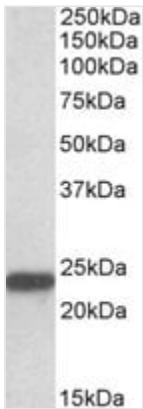
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61608	Goat	Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow, Zebrafish	Western Blot, ELISA

PRODUCT SYNONYMS

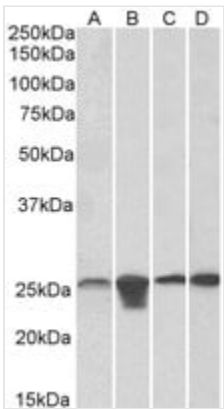
MNSOD; Polyclonal Antibody; Goat anti-MNSOD (aa119-130) Antibody; Goat Anti-MNSOD (isoform A) Antibody; SOD2; superoxide dismutase 2; mitochondrial; RP1-56L9.2; IPOB; MVCD6; Mn superoxide dismutase; indophenoloxidase B; manganese-containing superoxide dismutase; mangano-superoxide dismutase; superoxide dismutase [Mn]; SOD2 antibody; mitochondrial antibody; RP1-56L9.2 antibody; IPOB antibody; MNSOD antibody; MVCD6 antibody; Mn superoxide dismutase antibody; indophenoloxidase B antibody; manganese-containing superoxide dismutase antibody; MNSOD (aa119-130); anti-SOD2 antibody

PRODUCT SPECIFICATIONS

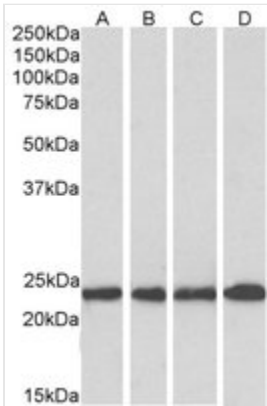
Host	Goat
Reactivity	Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow, Zebrafish
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	EAIKRDFGSF DK
Sequence Length	222
Applicable Applications for anti-SOD2 antibody	WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence C-EAIKRDFGSFDK, from the internal region of the protein sequence according to NP_000627.2; NP_001019637.1.
Epitope	Internal region
Note	NB: The immunizing peptide represents the acetylation site including K122 according to isoform A. This antibody is expected to recognize both reported isoforms (NP_000627.2; NP_001019637.1). Reported variants represent identical protein: NP_000627.2; NP_001019636.1.
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.



WB (Western Blot)
0.1ug/ml staining of Mouse Spinal Cord lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



WB (Western Blot)
0.1ug/ml staining of HeLa, HepG2, HEK293 and NIH3T3 (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



WB (Western Blot)
0.3ug/ml staining of Human Cerebellum (A), Mouse Brain (B), Rat Brain (C) and Pig Brain (D) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782305
NCBI GeneID	6648
NCBI Accession #	NP_000627.2; NP_001019637.1
NCBI GenBank Nucleotide #	NM_000636.3
Molecular Weight	19,730 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 2, mitochondrial
NCBI Official Symbol	SOD2
NCBI Official Synonym Symbols	IPOB; IPO-B; MNSOD; MVCD6; Mn-SOD
NCBI Protein Information	superoxide dismutase [Mn], mitochondrial
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/polyclonal/mnsod-antibody-western-blot-peptide-elisa-elisa/61608>