

## Goat anti-MNSOD (aa119-130) Antibody

<b>Item Number</b>	dAP-2398
<b>Target Molecule</b>	Principle Name: MNSOD (aa119-130); Official Symbol: SOD2; All Names and Symbols: SOD2; superoxide dismutase 2, mitochondrial; RP1-56L9.2; IPOB; MNSOD; MVCD6; Mn superoxide dismutase; indoperoxidase B; manganese-containing superoxide dismutase; manganese-superoxide dismutase; superoxide dismutase [Mn], mitochondrial; Accession Number (s): NP_000627.2; NP_001019637.1; Human Gene ID (s): 6648; Non-Human GeneID(s): 20656 (mouse) 24787 (rat)
<b>Immunogen</b>	EAIKRDFGSFDK, is from internal region 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
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse, Rat, Pig
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Approx 24kDa band observed in Human Brain (cerebellum) lysates and in Mouse and Rat Brain and Spinal Cord lysates, while approx 26kDa band was observed in lysates of cell lines HeLa, HepG2, HEK293 and NIH3T3 (calculated MW of 24.8kDa accor
<b>IHC</b>	
<b>Reference</b>	Reference(s): Godenschwege T, Forde R, Davis CP, Paul A, Beckwith K, Duttaroy A. Mitochondrial super-oxide radicals differentially affect muscle activity and neural function. <i>Genetics</i> . 2009 Sep;183(1):175-84.. PMID: 19546321->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**