

Goat anti-MNSOD (isoform A) Antibody

Item Number	dAP-2386
Target Molecule	Principle Name: MNSOD (isoform A); Official Symbol: SOD2; All Names and Symbols: SOD2; superoxide dismutase 2, mitochondrial; RP1-56L9.2; IPOB; MNSOD; MVCD6; Mn superoxide dismutase; indophe-noloxidase B; manganese-containing superoxide dismutase; mangano-superoxide dismutase; superoxide dismutase [Mn], mitochondrial; Accession Number (s): NP_000627.2.; Human Gene ID(s): 6648; Non-Human GeneID(s):
Immunogen	DVTAQIALQPALKFN, is from internal region This antibody is expected to recognize isoform A (NP_000627.2) only. Reported variants represent identical protein: NP_000627.2; NP_001019636.1.
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 23kDa band observed in Human Brain (Cerebellum, Cerebral Cortex) and HeLa lysates (calculated MW of 24.8kDa according to NP_000627.2). Recommended concentration: 0.01-0.03µg/ml.
IHC	
Reference	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 ender users! This product is sold for **Research Use Only**