



Goat anti-SOD1 Antibody

Item Number	dAP-1112
Target Molecule	Principle Name: SOD1; Official Symbol: SOD1; All Names and Symbols: SOD1; superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) ; HGNC:11179; ALS; ALS1; IPOA; SOD ; Cu /Zn superoxide dismutase; Cu/Zn superoxide dismutase; SOD, soluble; indophenoloxidase A; superoxide dismutase (aa 120-154); superoxide ; Accession Number (s): NP_000445.1; Human Gene ID(s): 6647; Non-Human GeneID(s): 20655 (mouse) 24786 (rat)
Immunogen	SRKHGGPKDEERH, is from internal region
Applications	Pep ELISA, WB, EIA Species Tested: Human, Mouse
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 8000.
Western Blot	Western Blot: Approx 18kDa band observed in Mouse Brain lysates, in purified membranes of cell line HeLa and in lysates of NIH3T3. Approx 20kDa observed in HEK293, HepG2 and MCF7 (calculated MW of 15.9kDa according to human NP_000445.1, mouse NP_035564.1)
IHC	
Reference	Reference(s): Ghadge GD, Wang L, Sharma K, Monti AL, Bindokas V, Stevens FJ, Roos RP. Truncated wild-type SOD1 and FALS-linked mutant SOD1 cause neural cell death in the chick embryo spinal cord. Neurobiol Dis. 2006 Jan;21(1):194-205. Epub 2005 Aug 9. PMID: 16084730->

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**