

## Goat anti-SOD1, Biotinylated Antibody

<b>Item Number</b>	dAP-3306
<b>Target Molecule</b>	Principle Name: SOD1, Biotinylated; Official Symbol: SOD1; All Names and Symbols: SOD1; superoxide dismutase 1, soluble; ALS; ALS1; HEL-S-44; IPOA; SOD; hSod1; homodimer; Cu/Zn superoxide dismutase; SOD, soluble; epididymis secretory protein Li 44; indophenoloxidase A; superoxide dismutase, cytosolic; Accession Number (s): NP_000445.1; Human Gene ID(s): 6647; Non-Human GeneID(s): 20655 (mouse) 24786 (rat)
<b>Immunogen</b>	SRKHGGPKDEERH., is from internal region
<b>Applications</b>	Pep ELISA, WB, EIA  Species Tested: Human, Mouse, Rat
<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 8000.
<b>Western Blot</b>	Western Blot: Approx 20kDa band observed in lysates of cell line HEK293 (calculated MW of 15.9kDa according to NP_000445.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	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. Neurobiology of disease 2006 Jan 21 (1): 194-205..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**