

## Goat anti-Peroxiredoxin 2 Antibody

<b>Item Number</b>	dAP-0868
<b>Target Molecule</b>	Principle Name: Peroxiredoxin 2; Official Symbol: PRDX2; All Names and Symbols: peroxiredoxin 2 ; HGNC:9353; PRDX2; MGC4104; NKEFB; PRP; PRXII; TDPX1; TSA; natural killer-enhancing factor B; thiol-specific antioxidant 1; thioredoxin peroxidase 1; thioredoxin-dependent peroxide reductase 1; torin; Accession Number (s): NP_005800.3; NP_859427.1; Human Gene ID(s): 7001; Non-Human GeneID(s):
<b>Immunogen</b>	NVDDSKEYFSKHN, is from C Terminus This antibody is expected to recognise isoforms a and b only (NP_005800.3 and NP_859427.1 respectively).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse
<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 16000.
<b>Western Blot</b>	Western Blot: Approx 20-22kDa band observed in Human Brain and Mouse Brain lysates (calculated MW of 21.9kDa according to NP_005800.3). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Kato S, Kato M, Abe Y, Matsumura T, Nishino T, Aoki M, Itoyama Y, Asayama K, Awaya A, Hirano A, Ohama E. Redox system expression in the motor neurons in amyotrophic lateral sclerosis (ALS): immunohistochemical studies on sporadic ALS, superoxide dismutase 1 (SOD1)-mutated familial ALS, and

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**