

## Goat anti-PRDX1 Antibody

Item Number	dAP-1634
Target Molecule	Principle Name: PRDX1; Official Symbol: PRDX1; All Names and Symbols: PRDX1; peroxiredoxin 1; MSP23; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2; natural killer-enhancing factor A; proliferation-associated gene A; thioredoxin-dependent peroxide reductase 2; Accession Number (s): NP_859048.1; Human Gene ID(s): 5052; Non-Human GeneID(s): 18477 (mouse) 117254 (rat)
Immunogen	SDPKRTIAQDYG, is from internal region Reported variants represent identical protein (NP_002565.1, NP_859047.1, NP_859048.1).
Applications	Pep ELISA, WB, IHC  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. 23 to 24kDa band observed in lysates of cell lines HEK293, A431 and HepG2 (calculated MW of 22.1kDa according to NP_859048.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Thyroid Gland and Placenta. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Jönsson TJ, Johnson LC, Lowther WT. Structure of the sulphiredoxin-peroxiredoxin complex reveals an essential repair embrace. <i>Nature</i> . 2008 Jan 3;451(7174):98-101.. PMID: 18172504->

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**