

Goat anti-COX1 / PTGS1 Antibody

Item Number	dAP-0073
Target Molecule	Principle Name: COX1 / PTGS1; Official Symbol: PTGS1; All Names and Symbols: PTGS1; COX1; COX3; PHS1; PCOX1; PGHS1; PTGHS; PGG/HS; PGHS-1; prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase); prostaglandin G/H synthase and cyclooxygenase; RP11-542K23.6; Accession Number (s): NP_000953.2; NP_542158.1; Human Gene ID(s): 5742; Non-Human GeneID(s):
Immunogen	QDDGPAVERPSTEL, is from C Terminus This antibody is expected to recognise both human isoforms of this protein according to NP_000953.2 and NP_542158.1.
Applications	Pep ELISA, WB 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 32000.
Western Blot	Western Blot: Approx 60kDa and 70-75kDa bands observed in lysates of cell line U937 and approx 70-75kDa band observed in Mouse Kidney and Skeletal Muscle lysates (calculated MW of 64.5kDa according to Human NP_542158.1 and 68.7kDa Human NP_000953.2, and
IHC	
Reference	Reference(s): Yokoyama C, Tanabe T. Cloning of human gene encoding prostaglandin endoperoxide synthase and primary structure of the enzyme. Biochem Biophys Res Commun. 1989 Dec 15;165(2):888-94..PMID: 2512924->

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**