



Goat anti-PTGR1 Antibody

Item Number	dAP-3400
Target Molecule	Principle Name: PTGR1; Official Symbol: PTGR1; All Names and Symbols: PTGR1; prostaglandin reductase 1; LTB4DH; PGR1; ZADH3; 15-oxoprostaglandin 13-reductase; NADP-dependent leukotriene B4 12-hydroxydehydrogenase; PRG-1; leukotriene B4 12-hydroxydehydrogenase; zinc binding alcohol dehydrogenase domain containing 3; Accession Number (s): NP_036344.2; NP_001139581.1; Human Gene ID(s): 22949; Non-Human GeneID(s):
Immunogen	PTNSDFELKTAELP, is from internal region (near N terminus) This antibody is expected to recognize both reported isoforms (NP_036344.2; NP_001139581.1). Reported variants represent identical protein: NP_036344.2, NP_001139580.1.
Applications	Pep ELISA, WB 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 128000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Kidney lysates (calculated MW of 35.9kDa according to NP_036344.2). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Yokomizo T, Ogawa Y, Uozumi N, Kume K, Izumi T, Shimizu T. cDNA cloning, expression, and mutagenesis study of leukotriene B4 12-hydroxydehydrogenase. The Journal of biological chemistry 1996 Feb 27; 271(5): 2844-50. PMID: 8576264->

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**