

Goat anti-Prostaglandin dehydrogenase 1 Antibody

Item Number	dAP-0563
Target Molecule	Principle Name: Prostaglandin dehydrogenase 1; Official Symbol: HPGD; All Names and Symbols: HPGD; Prostaglandin dehydrogenase 1; PGDH1; 15-PGDH; hydroxyprostaglandin dehydrogenase 15-(NAD); PGDH; SDR36C1; NAD+-dependent 15-hydroxyprostaglandin dehydrogenase; short chain dehydrogenase/reductase family 36C, member 1; Accession Number (s): NP_000851.2; Human Gene ID(s): 3248; Non-Human GeneID(s):
Immunogen	DYDTTPFQAKTQ, is from C Terminus
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 128000.
Western Blot	Western Blot: Experiments gave bands at approx 26kDa and 50kDa in Human Duodenum lysates after 0.1µg/ml antibody staining. These bands correspond to earlier findings in literature with different antibodies (PMID: 11889207). This protein has a calculated
IHC	Immunohistochemistry: In paraffin embedded Human Colon shows strong cytoplasm staining of enterocytes. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Coggins KG, Latour A, Nguyen MS, Audoly L, Coffman TM, Koller BH. Metabolism of PGE2 by prostaglandin dehydrogenase is essential for remodeling the ductus arteriosus. Nat Med. 2002 Feb;8(2):91-2. No abstract available. .PMID: 11821873 ->

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**