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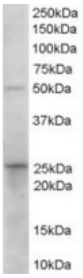
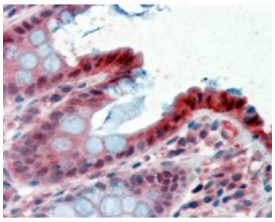
HPGD Antibody

CATALOG NUMBER: 45-070



Western Blot (0.1ug/ml) staining of Human Duodenum lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2.5ug/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:128000. Western Blot: Experiments gave bands at approx 26kDa and 50kDa in Human Duodenum lysates after 0.1ug/ml antibody staining. These bands correspond to earlier findings in literature with different antibodies (PMID: 11889207). This protein has a calculated Immunohistochemistry: In paraffin embedded Human Colon shows strong cytoplasm staining of enterocytes. Recommended concentration, 2-4ug/ml.
POSITIVE CONTROL:	1) Cat. No. 1364 - Human Duodenum Tissue Lysate
IMMUNOGEN:	HPGD antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus of HPGD.
HOST SPECIES:	Goat

Properties

PURIFICATION:	HPGD antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	HPGD antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	HPGD, PGDH1, 15-PGDH, hydroxyprostaglandin dehydrogenase 15-(NAD), Prostaglandin dehydrogenase 1
ACCESSION NO.:	NP_000851
PROTEIN GI NO.:	31542939
OFFICIAL SYMBOL:	HPGD

GENE ID:	3248

Background

REFERENCES:	1) 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.

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