

Product datasheet for **AP22571PU-N**

Prostaglandin dehydrogenase 1 (HPGD) (255-266) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/128000. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml. Western Blot: 0.1 - 1 µg/ml.
Reactivity:	Human, Monkey
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the C-terminus of human HPGD / 15-PGDH (NP_000851.2)
Specificity:	This antibody detects C Terminus of Prostaglandin dehydrogenase 1.
Formulation:	Tris buffered saline ,pH 7.3, containing 0.5% BSA as stabilizer and 0.02% sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hydroxyprostaglandin dehydrogenase 15-(NAD)
Database Link:	Entrez Gene 3248 Human P15428



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Background:

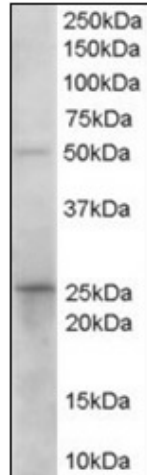
15-PGDH / HPGD is a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and craniosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene.

Synonyms:

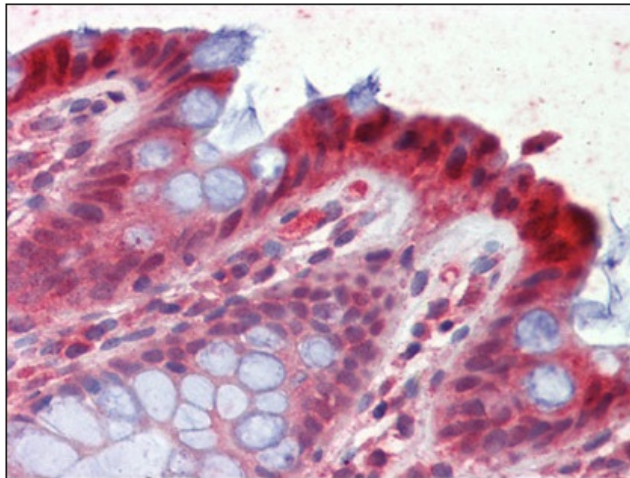
15-hydroxyprostaglandin dehydrogenase, PGDH, PGDH1, Prostaglandin dehydrogenase 1

Protein Families:

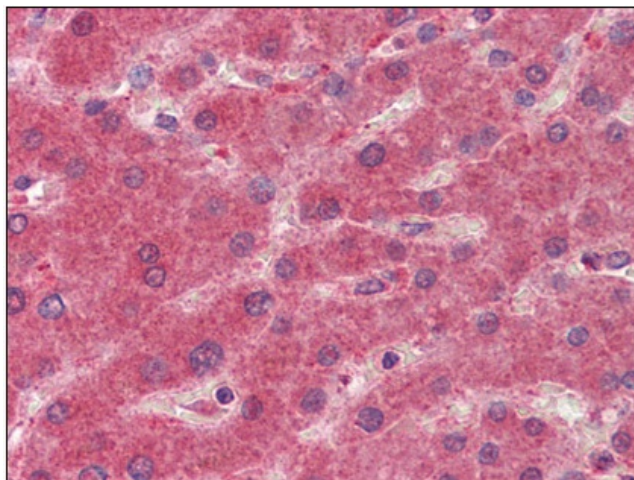
Druggable Genome

Product images:


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



Human Colon (formalin-fixed, paraffin-embedded) stained with HPGD antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Liver (formalin-fixed, paraffin-embedded) stained with HPGD antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.