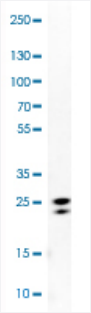
HPGD polyclonal antibody

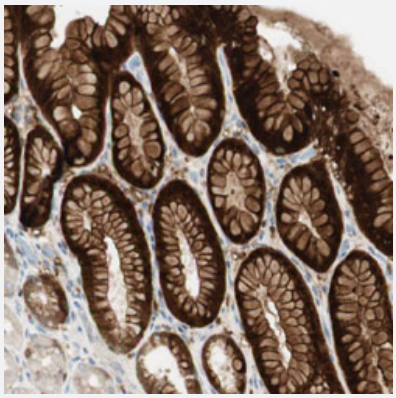
Catalog # PAB31351 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HEL cell lysate with HPGD polyclonal antibody (Cat # PAB31351).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with HPGD polyclonal antibody (Cat # PAB31351) shows strong cytoplasmic and membranous positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human HPGD.
Immunogen	Recombinant protein corresponding to human HPGD.
Sequence	VDWNLEAGVQCKAALDEQFEPQKTLFIQCDVADQQQLRDTFRKVVDHFGRLDILVNNAGVNNEK NWEKTLQINLVSVISGTYLGLDYMSKQNGGEGGIIINMSSLAGLMPVAQQPV
Host	Rabbit
Reactivity	Human

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of HEL cell lysate with HPGD polyclonal antibody (Cat # PAB31351).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with HPGD polyclonal antibody (Cat # PAB31351) shows strong cytoplasmic and membranous positivity in glandular cells.

Gene Info — HPGD

Entrez GeneID	3248
Protein Accession#	P15428
Gene Name	HPGD
Gene Alias	15-PGDH, PGDH, PGDH1, SDR36C1
Gene Description	hydroxyprostaglandin dehydrogenase 15-(NAD)
Omim ID	601688
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protei n 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 res ult in primary autosomal recessive hypertrophic osteoarthropathy and cranioosteoarthropathy. Mul tiple transcript variants encoding different isoforms have been found for this gene. [provided by R efSeq
Other Designations	15-hydroxy prostaglandin dehydrogenase|15-hydroxyprostaglandin dehydrogenase|NAD+-depen dent 15-hydroxyprostaglandin dehydrogenase|short chain dehydrogenase/reductase family 36C, member 1

Publication Reference

- Characterization of transcriptional changes in ERG rearrangement-positive prostate cancer identifies the regulation of metabolic sensors such as neuropeptide Y.

  Massoner P, Kugler KG, Unterberger K, Kuner R, Mueller LA, Fälth M, Schäfer G, Seifarth C, Ecker S, Verdorfer I, Graber A, Sültmann H, Klocker H.

  PLoS One 2013 Feb; 8(2):e55207.

  Application: IHC-P, Human, Human prostate cancer, Human tissue microarray

- Candidate serological biomarkers for cancer identified from the secretomes of 23 cancer cell lines and the human protein atlas.

  Wu CC, Hsu CW, Chen CD, Yu CJ, Chang KP, Tai DI, Liu HP, Su WH, Chang YS, Yu JS.

  Molecular & Cellular Proteomics 2010 Jun; 9(6):1100.

  Application: IHC, Human, Colon, Liver, Bladder, Breast, Lung cancer

Disease

- Adenoma
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Cardiovascular Diseases
- Chorioamnionitis
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus

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- Ductus Arteriosus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Infant
- Lung Neoplasms
- Metabolic Syndrome X
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Pre-Eclampsia
- Premature Birth

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