

## Goat Prostaglandin dehydrogenase 1 Polyclonal Antibody | anti-HPGD antibody

Goat anti-Prostaglandin dehydrogenase 1 Antibody

| CATALOG # | HOST | REACTIVITY                                              | APPLICATIONS                              |
|-----------|------|---------------------------------------------------------|-------------------------------------------|
| AAA61274  | Goat | Tested: Human; Expected from sequence similarity: Human | Immunohistochemistry, Western Blot, ELISA |

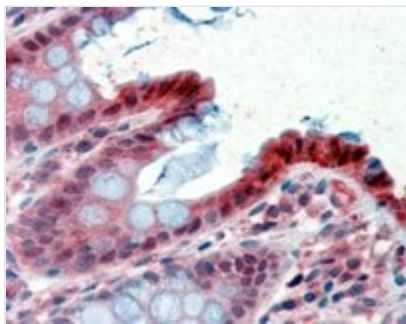
### PRODUCT SYNONYMS

Prostaglandin dehydrogenase 1; Polyclonal Antibody; Goat anti-Prostaglandin dehydrogenase 1 Antibody; HPGD; PGDH1; 15-PGDH; hydroxyprostaglandin dehydrogenase 15-(NAD); PGDH; SDR36C1; NAD+-dependent 15-hydroxyprostaglandin dehydrogenase; short chain dehydrogenase/reductase family 36C; member 1; Prostaglandin dehydrogenase 1 antibody; HPGD antibody; PGDH1 antibody; 15-PGDH antibody; hydroxyprostaglandin dehydrogenase 15-(NAD) antibody; anti-HPGD antibody

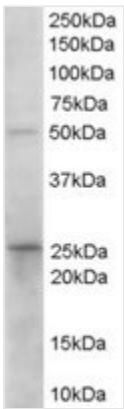
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Goat                                                                                                                                  |
| Reactivity                                     | Tested: Human; Expected from sequence similarity: Human                                                                               |
| Clonality                                      | Polyclonal                                                                                                                            |
| Purity/Purification                            | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Form/Format                                    | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                       |
| Concentration                                  | 100ug specific antibody in 200ul (varies by lot)                                                                                      |
| Sequence                                       | DYDTTPFQAK TQ                                                                                                                         |
| Sequence Length                                | 266                                                                                                                                   |
| Applicable Applications for anti-HPGD antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA (Peptide ELISA)                                                                  |
| Immunogen                                      | Peptide with sequence C-DYDTTPFQAKTQ, from the C Terminus of the protein sequence according to NP_000851.2.                           |
| Epitope                                        | C Terminus                                                                                                                            |
| Preparation and Storage                        | Aliquot and store at -20 degree C. Minimize freezing and thawing.                                                                     |

IMAGES



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



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

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 31542939                                       |
| NCBI GeneID                      | 3248                                           |
| NCBI Accession #                 | NP_000851.2                                    |
| NCBI GenBank Nucleotide #        | NM_000860.5                                    |
| Molecular Weight                 | 21,526 Da                                      |
| NCBI Official Full Name          | 15-hydroxyprostaglandin dehydrogenase          |
| NCBI Official Synonym Full Names | hydroxyprostaglandin dehydrogenase 15-(NAD)    |
| NCBI Official Symbol             | HPGD                                           |
| NCBI Official Synonym Symbols    | PGDH; PGDH1; PHOAR1; 15-PGDH; SDR36C1          |
| NCBI Protein Information         | 15-hydroxyprostaglandin dehydrogenase [NAD(+)] |
| UniProt Protein Name             | 15-hydroxyprostaglandin dehydrogenase [NAD(+)] |
| UniProt Gene Name                | HPGD                                           |
| UniProt Synonym Gene Names       | PGDH1; SDR36C1; 15-PGDH                        |
| UniProt Entry Name               | PGDH_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.