

**HPGDS Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51775**

**Specification**

**HPGDS Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O60760</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23 KDa

**HPGDS Antibody - Additional Information**

**Gene ID** 27306

**Other Names**

Hematopoietic prostaglandin D synthase, H-PGDS, GST class-sigma, Glutathione S-transferase, Glutathione-dependent PGD synthase, Glutathione-requiring prostaglandin D synthase, Prostaglandin-H2 D-isomerase, HPGDS, GSTS, PGDS, PTGDS2

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HPGDS. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**HPGDS Antibody - Protein Information**

**Name** HPGDS ([HGNC:17890](#))

**Synonyms** GSTS, PGDS, PTGDS2

**Function**

Bifunctional enzyme which catalyzes both the conversion of PGH2 to PGD2, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation, and the conjugation of glutathione with a wide range of aryl halides and organic isothiocyanates. Also exhibits low glutathione-peroxidase activity towards cumene hydroperoxide.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in a number of megakaryocytic cell lines but not in platelets. Highly expressed in adipose tissue, macrophages and placenta. Also expressed at lower levels in lung, heart, lymph nodes, appendix, bone marrow and fetal liver

**HPGDS Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HPGDS Antibody - Images****HPGDS Antibody - Background**

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**HPGDS Antibody - References**

Kanaoka Y.,et al.Eur. J. Biochem. 267:3315-3322(2000).

Jowsey I.R.,et al.Biochem. J. 359:507-516(2001).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

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