

## Anti-HPGDS antibody

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| <b>Description</b>        | Unconjugated Rabbit polyclonal to HPGDS                                                                                                                                                                                                   |
| <b>Model</b>              | STJ190834                                                                                                                                                                                                                                 |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                    |
| <b>Reactivity</b>         | Human                                                                                                                                                                                                                                     |
| <b>Applications</b>       | ELISA, WB                                                                                                                                                                                                                                 |
| <b>Gene ID</b>            | <a href="#">27306</a>                                                                                                                                                                                                                     |
| <b>Gene Symbol</b>        | <a href="#">HPGDS</a>                                                                                                                                                                                                                     |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                          |
| <b>Specificity</b>        | HPGDS Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                           |
| <b>Tissue Specificity</b> | 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. |
| <b>Purification</b>       | HPGDS antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                   |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                                                              |
| <b>Protein Name</b>       | 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                                    |
| <b>Molecular Weight</b>   | 21 kDa                                                                                                                                                                                                                                    |
| <b>Clonality</b>          | Polyclonal                                                                                                                                                                                                                                |

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| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>           | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Instruction</b>   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                    |
| <b>Database Links</b>        | <a href="#">HGNC:17890</a> <a href="#">OMIM:602598</a>                                                                                                                                                                                                                                                                                                                                  |
| <b>Alternative Names</b>     | Hematopoietic prostaglandin D synthase H-PGDS GST class-sigma<br>Glutathione S-transferase Glutathione-dependent PGD synthase Glutathione-<br>requiring prostaglandin D synthase Prostaglandin-H2 D-isomerase                                                                                                                                                                           |
| <b>Function</b>              | Bifunctional enzyme which catalyzes both the conversion of PGH2 to PGD2,<br>a prostaglandin involved in smooth muscle contraction/relaxation and a potent<br>inhibitor of platelet aggregation, and the conjugation of glutathione with a<br>wide range of aryl halides and organic isothiocyanates. Also exhibits low<br>glutathione-peroxidase activity towards cumene hydroperoxide. |
| <b>Cellular Localization</b> | Cytoplasm                                                                                                                                                                                                                                                                                                                                                                               |

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