

## ARG56489 anti-Prostaglandin D Synthase antibody

Package: 250 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Prostaglandin D Synthase
Tested Reactivity	Hu, Ms, Rat, Bb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Prostaglandin D Synthase
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human Prostaglandin D Synthase.
Conjugation	Un-conjugated
Alternate Names	Glutathione-requiring prostaglandin D synthase; Glutathione S-transferase; EC 2.5.1.18; GSTS; Hematopoietic prostaglandin D synthase; GSTS1-1; EC 5.3.99.2; Prostaglandin-H2 D-isomerase; PGDS; PGD2; GSTS1; Glutathione-dependent PGD synthase; H-PGDS; GST class-sigma

### Application Instructions

Application table	Application	Dilution
	WB	1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

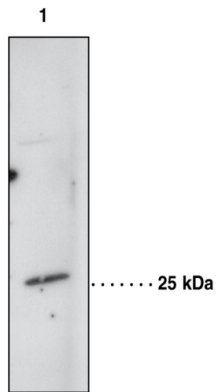
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	TBS (pH 7.4)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	HPGDS
Gene Full Name	hematopoietic prostaglandin D synthase
Background	Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 and plays a role in the production of prostanoids in the immune system

	and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	23 kDa

## Images



ARG56489 anti-Prostaglandin D Synthase antibody WB image

Western blot: 1) 50 µg of Baboon myometrium stained with ARG56489 anti-Prostaglandin D Synthase antibody.