

Goat anti-PTGES2 (aa292-306) Antibody
Peptide-affinity purified goat antibody
Catalog # AF4439a**Specification**

Goat anti-PTGES2 (aa292-306) Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	Q9H7Z7
Other Accession	NP_079348.1 , NP_945176.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	41943

Goat anti-PTGES2 (aa292-306) Antibody - Additional Information**Gene ID** 80142**Other Names**

PTGES2; prostaglandin E synthase 2; C9orf15; GBF-1; GBF1; PGES2; mPGES-2; GATE-binding factor 1; gamma-interferon-activated transcriptional element-binding factor 1; membrane-associated prostaglandin E synthase 2; microsomal prostaglandin E synthase-2

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognize both reported isoforms (NP_079348.1; NP_945176.1). Reported variants represent identical protein: NP_001243264.1, NP_945176.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-PTGES2 (aa292-306) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-PTGES2 (aa292-306) Antibody - Protein Information**Name** PTGES2**Synonyms** C9orf15, PGES2**Function**

Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2) (in

vitro) (PubMed:12804604, PubMed:18198127, PubMed:17585783). The biological function and the GSH- dependent property of PTGES2 is still under debate (PubMed:18198127, PubMed:17585783). In vivo, PTGES2 could form a complex with GSH and heme and would not participate in PGE2 synthesis but would catalyze the degradation of prostaglandin E2 H2 (PGH2) to 12(S)-hydroxy- 5(Z),8(E),10(E)-heptadecatrienoic acid (HHT) and malondialdehyde (MDA) (PubMed:17585783) (By similarity).

Cellular Location

Golgi apparatus membrane; Single-pass membrane protein

Tissue Location

Widely expressed. Expressed in the heart, including apex, inter-ventricular septum, both atria and ventricles, but not in the aorta. Also expressed in fetal heart. Detected in various regions of the brain: cerebellum; occipital, frontal and parietal lobes. Also expressed in the lymph nodes, skeletal muscle, kidney and trachea, but not in the thymus or lung. Overexpressed in colorectal cancer

Goat anti-PTGES2 (aa292-306) 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](#)

Goat anti-PTGES2 (aa292-306) Antibody - Images