

**Goat anti-PTGIS / CYP8A1 (aa248-258) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4414a

### Specification

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#### Goat anti-PTGIS / CYP8A1 (aa248-258) Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	<a href="#">O16647</a>
Other Accession	<a href="#">NP_000952.1</a>
Reactivity	Human, Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	57104

#### Goat anti-PTGIS / CYP8A1 (aa248-258) Antibody - Additional Information

Gene ID 5740

#### Other Names

PTGIS; prostaglandin I2 (prostacyclin) synthase; CYP8; CYP8A1; PGIS; PTGI; cytochrome P450, family 8, subfamily A, polypeptide 1; prostacyclin synthase; prostaglandin I2 synthase

#### 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.

#### 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-PTGIS / CYP8A1 (aa248-258) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-PTGIS / CYP8A1 (aa248-258) Antibody - Protein Information

Name PTGIS

Synonyms CYP8, CYP8A1

#### Function

Catalyzes the biosynthesis and metabolism of eicosanoids. Catalyzes the isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2), a potent mediator of vasodilation and inhibitor of platelet aggregation (PubMed: [12372404](http://www.uniprot.org/citations/12372404), PubMed: [15115769](http://www.uniprot.org/citations/15115769), PubMed: [18032380](http://www.uniprot.org/citations/18032380), PubMed: [18032380](http://www.uniprot.org/citations/25623425), PubMed: [25623425](http://www.uniprot.org/citations/25623425))

target="\_blank">25623425</a>). Additionally, displays dehydratase activity, toward hydroperoxyeicosatetraenoates (HPETEs), especially toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)- HPETE) (PubMed:<a href="http://www.uniprot.org/citations/17459323" target="\_blank">17459323</a>).

**Cellular Location**

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q29626}; Single-pass membrane protein

**Tissue Location**

Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung and prostate

**Goat anti-PTGIS / CYP8A1 (aa248-258) 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-PTGIS / CYP8A1 (aa248-258) Antibody - Images**