

Anti-PTGIS Antibody
Catalog # AP54081**Specification****Anti-PTGIS Antibody - Product Information**

Application	WB
Primary Accession	Q16647
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57104

Anti-PTGIS Antibody - Additional Information**Gene ID** 5740**Other Names**

CYP8; CYP8A1; Prostacyclin synthase; Prostaglandin I2 synthase

Target/Specificity

Recognizes endogenous levels of PTGIS protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

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

Anti-PTGIS 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, PubMed: 15115769, PubMed: 18032380, PubMed: 25623425). Additionally, displays dehydratase activity, toward hydroperoxyeicosatetraenoates (HPETEs), especially toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)- HPETE) (PubMed: 12372404).

href="http://www.uniprot.org/citations/17459323" target="_blank">17459323).

Cellular Location

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

Tissue Location

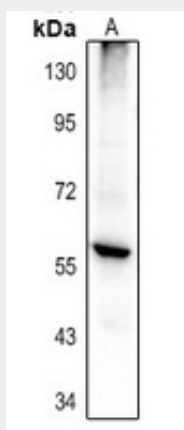
Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung and prostate

Anti-PTGIS 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](#)

Anti-PTGIS Antibody - Images



Western blot analysis of PTGIS expression in rat prostate (A) whole cell lysates.

Anti-PTGIS Antibody - Background

Rabbit polyclonal antibody to PTGIS