10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Peptide-affinity purified goat antibody
Catalog # AF4414a

Product Information

Application	WB, Pep-ELISA
Primary Accession	Q16647
Other Accession	NP_000952.1
Reactivity	Human, Pig
Host	Goat
Clonality	Polyclonal
Clone Names	PTGIS
Calculated MW	57104

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
Dilution	WB~~1:1000 Pep-ELISA~~N/A
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.

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: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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.