

Rabbit CYP8A1 Polyclonal Antibody | anti-PTGIS antibody

CYP8A1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285995	Rabbit	Human (Predicted Reactivity: Bovine)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CYP8A1; Polyclonal Antibody; CYP8A1 Antibody (C-term); Prostacyclin synthase; Prostaglandin I2 synthase; PTGIS; CYP8; anti-PTGIS antibody

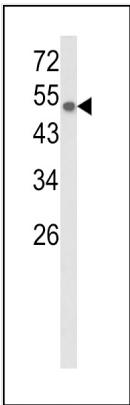
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYP8A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-500 amino acids from the C-terminal region of human CYP8A1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	472-500
Sequence Length	500
Applicable Applications for anti-PTGIS antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with CYP8A1 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CYP8A1 Antibody (C-term) in CEM cell line lysates (35ug/lane). CYP8A1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGIS antibody	CYP8A1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostglandin H2 to prostacyclin (prostaglandin I2), a potent vasodilator and inhibitor of platelet aggregation. An imbalance of prostacyclin and its physiological antagonist thromboxane A2 contribute to the development of myocardial infarction, stroke, and atherosclerosis.
Product Categories/Family for anti-PTGIS antibody	Cancer; Cardiovascular; Developmental Biology; Metabolism; Signal Transduction
References	Nelson,D.R., Pharmacogenetics 14 (1), 1-18 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13699859
NCBI GeneID	5740
NCBI Accession #	NP_000952.1
NCBI GenBank Nucleotide #	NM_000961.3
UniProt Accession #	Q16647; Q3MII8; Q9HAX2; Q9HAX3; Q9HAX4
Molecular Weight	57104
NCBI Official Full Name	prostacyclin synthase
NCBI Official Synonym Full Names	prostaglandin I2 (prostacyclin) synthase
NCBI Official Symbol	PTGIS
NCBI Official Synonym Symbols	CYP8; PGIS; PTGI; CYP8A1
NCBI Protein Information	prostacyclin synthase
UniProt Protein Name	Prostacyclin synthase
UniProt Gene Name	PTGIS
UniProt Synonym Gene Names	CYP8; CYP8A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyp8a1-antibody-western-blot-immunohistochemistry-elisa/285995>