

Rabbit PTGIS Polyclonal Antibody | anti-PTGIS antibody

PTGIS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325378	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

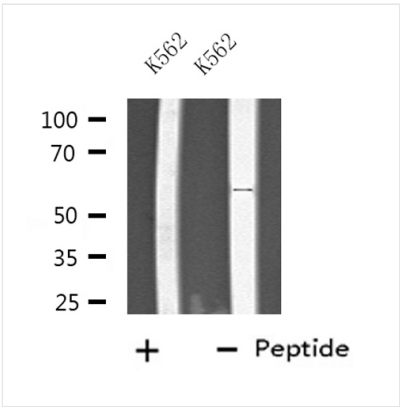
PRODUCT SYNONYMS

PTGIS; Polyclonal Antibody; PTGIS Antibody; CYP8; CYP8A1; Cytochrome P450; family 8; subfamily A; polypeptide 1; EC 5.3.99.4; MGC126858; MGC126860; OTTHUMP00000031777; PGIS; Prostacyclin synthase; Prostaglandin I2 (prostacyclin) synthase; Prostaglandin I2 synthase; PTGI; PTGIS_HUMAN; anti-PTGIS antibody

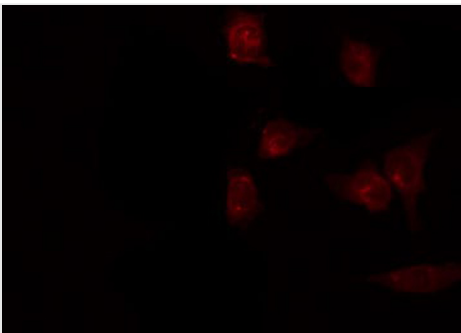
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTGIS antibody detects endogenous levels of total PTGIS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	500
Applicable Applications for anti-PTGIS antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Widely expressed; particularly abundant in ovary, heart, skeletal muscle, lung and prostate.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (82%), Bovine (100%), Horse (91%), Sheep (100%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from K562 cells, using PTGIS antibody.



IF (Immunofluorescence)
AAA325378 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGIS antibody	Function: Catalyzes the isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2). Similarity: Belongs to the cytochrome P450 family.
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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	Observed: 57 kD Predicted: 58 kDa
NCBI Official Full Name	prostacyclin synthase
NCBI Official Synonym Full Names	prostaglandin I2 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.