

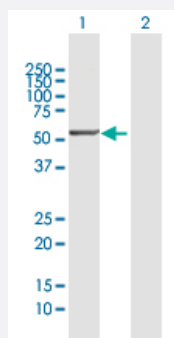
MaxPab®

PTGIS MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005740-D01

Size 100 uL

Applications

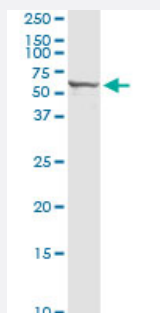


Western Blot (Transfected lysate)

Western Blot analysis of PTGIS expression in transfected 293T cell line ([H00005740-T02](#)) by PTGIS MaxPab polyclonal antibody.

Lane 1: PTGIS transfected lysate(57.10 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PTGIS transfected lysate using anti-PTGIS MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTGIS purified MaxPab mouse polyclonal antibody (B01P) ([H00005740-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTGIS protein.

Immunogen

PTGIS (NP_000952.1, 1 a.a. ~ 500 a.a) full-length human protein.

Sequence

MAWAALLGLLAALLLLLLLSRRRTRRPGEPLDLGSIPWLGYALDFGKDAASFLTRMKEKHGDIFTI
LVGGRYVTVLLDPHSYDAVVWEPRTRLDHFHAYAIFLMERIFDVQLPHYSPSDEKARMKLTLLHREL
QALTEAMYNLHAVLLGDATEAGSGWHEMGLLDFSYSFLLRAGYLTLYGIEALPRTHESQAQDRV
HSADVFTFRQLDRLLPKLARGSLVGDKDHMCVKSRLWKLLSPARLARRAHRKWLSESYLLH
LEEMGVSEEMQARALVLQLWATQGNMGPAAFWLLLFLLKNPEALAAVRGELESILWQAEQPV
QTTLPQKVLDSTPVLDVSLSESLRLTAAPFITREVVVDLAMPADGREFNLRRGDRLLFPFLSP
QRDPEYTDPEVFKNRFLNPDGSEKKDFYKDGKRLKNYNMPWGAGHNHCLGRSYAVNSIKQFV
FLVLVHLDLELINADVEIPEFDLSRYGFLMQPEHDVPVRYRIRP

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — PTGIS

Entrez GeneID	5740
GeneBank Accession#	NM_000961.3
Protein Accession#	NP_000952.1
Gene Name	PTGIS
Gene Alias	CYP8, CYP8A1, MGC126858, MGC126860, PGIS, PTGI
Gene Description	prostaglandin I2 (prostacyclin) synthase
Omim ID	145500 601699
Gene Ontology	Hyperlink

Gene Summary

This gene encodes 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 prostaglandin 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. [provided by RefSeq]

Other Designations

OTTHUMP00000031777|cytochrome P450, family 8, subfamily A, polypeptide 1

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

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- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Respiratory Tract Infections](#)
- [Stroke](#)
- [Werner syndrome](#)