

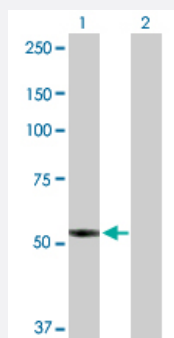
MaxPab®

PTGIS purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005740-D01P

Size 100 ug

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.

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
LVGGRYVTLLDPHSYDAVVWEPRTRLDFHAYAIFLMERIFDVQLPHYSPSDEKARMKLTLLHREL
QALTEAMYNLHAVLLGDATEAGSGWHEMGLLDFSYSFLLRAGYLTLYGIEALPRTHESQAQDRV
HSADVFHTFRQLDRLLPKLARGSLSVGDKDHMCVKSRLWKLLSPARLARRAHRSKWLESYLLH
LEEMGVSEEMQARALVLQLWATQGNMGPAAFWLLLFLLKNPEALAAVRGELESILWQAEQPVS
QTTTLPQKVLDSTPVLDSVLSLRLTAAPFITREVVVDLAMPADGREFNLRRGDRLLFPFLSP
QRDPEYTDPEVFKYNRFLNPDGSEKKDFYKDGKRLKNYNMPWGAGHNHCLGRSYAVNSIKQFV
FLVLVHLDLELINADVEIPEFDLSRYGFGLMQPEHDVPVRYRIRP

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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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](#)
- [Ductus Arteriosus](#)
- [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](#)