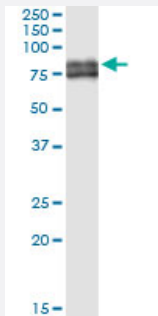


PTGS1 (Human) IP-WB Antibody Pair

Catalog # H00005742-PW1

Size 1 Set

Applications



Immunoprecipitation of PTGS1 transfected lysate using rabbit polyclonal anti-PTGS1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-PTGS1.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PTGS1 transfected lysate using rabbit polyclonal anti-PTGS1 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-PTGS1.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PTGS1 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-PTGS1 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PTGS1

Entrez GeneID	5742
Gene Name	PTGS1
Gene Alias	COX1, COX3, PCOX1, PGG/HS, PGHS-1, PGHS1, PHS1, PTGHS
Gene Description	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
Omim ID	176805
Gene Ontology	Hyperlink
Gene Summary	Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes PTGS1, which regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. PTGS1 is thought to be involved in cell-cell signaling and maintaining tissue homeostasis. Alternative splicing of this gene generates two transcript variants. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. [provided by RefSeq]
Other Designations	OTTHUMP00000022052 OTTHUMP00000022053 prostaglandin G/H synthase and cyclooxygenase prostaglandin-endoperoxide synthase 1

Pathway

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

Disease

- [Abdominal Pain](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Atrophy](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
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- [Ductus Arteriosus](#)
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- [Dyspepsia](#)
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- [Genetic Predisposition to Disease](#)
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- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
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- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
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- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Peptic Ulcer](#)
- [Peptic Ulcer Hemorrhage](#)
- [Precancerous Conditions](#)
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- [Pregnancy Complications](#)
- [Premature Birth](#)

- [Pulmonary Disease](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Werner syndrome](#)