

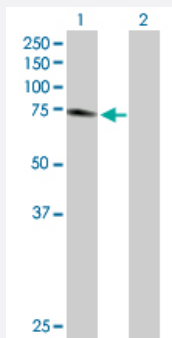
MaxPab®

PTGS2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005743-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTGS2 expression in transfected 293T cell line ([H00005743-T01](#)) by PTGS2 MaxPab polyclonal antibody.

Lane 1: PTGS2 transfected lysate(69.00 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTGS2 protein.
Immunogen	PTGS2 (NP_000954.1, 1 a.a. ~ 604 a.a) full-length human protein.
Sequence	MLARALLLC AVLALSHTANPCCSHPCQNRGVCM SVGFDQYKDC TRTGFYGENCSTPEFLTRIK LFLKPTPNTVHYILTHFKGFWNVNNIPFLRNAIMSYVLT SRSHLIDSPPTYNADYGYKSWEAFSNLS YYTRALPPVPDDCPTPLGVKGKKQLPDSNEMEKL LRRKFIPDPQGSNMMFAFFAQHFTHQFFK TDHKRGPAFTNGLGHGVLDLNHIYGETLARQRKLRLFKDGKMKYQIIDGEMYPPTVKDTQAEMIPP QVPEHLRF AVGQEVFGLVPGLM MYATWLREHNRVCDVLKQEHP EWGDEQLFQT SRLILIGETIKI VIEDYVQHLSGYHFKLKFDP ELLFNKQFQYQNRIAAEFNTLYHWHPLL PDTFQIHDQKYN YQQFMYN NSILLEHGITQFVESFTRQIAGRVAGGRNVPPAVQKVSQASIDQSRQMKYQSFNEYRKR FMLKPYE SFEELTGEKEMSAELEALYGDIDAVELYPALLVEKPRPD AIFGETMVEVGAPFSLKGLMGNVICSP AYWKPSTFGGEVGFQIINTASIQSLICNNVKGCPFTSFSVPD PELIKTVTINASSSRSG LDDINPTVLL KERSTEL
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.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PTGS2 expression in transfected 293T cell line ([H00005743-T01](#)) by PTGS2 MaxPab polyclonal antibody.

Lane 1: PTGS2 transfected lysate(69.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PTGS2

Entrez GeneID [5743](#)

GeneBank Accession# [NM_000963.1](#)

Protein Accession# [NP_000954.1](#)

Gene Name PTGS2

Gene Alias COX-2, COX2, GRIPGHS, PGG/HS, PGHS-2, PHS-2, hCox-2

Gene Description prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)

Omim ID [600262](#)

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 the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq]

Other Designations OTTHUMP00000033524|cyclooxygenase 2b|prostaglandin G/H synthase and cyclooxygenase|prostaglandin-endoperoxide synthase 2

Pathway

- [Arachidonic acid metabolism](#)

- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [VEGF signaling pathway](#)

Disease

- [Acute Disease](#)
- [Acute-Phase Reaction](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Adenomatous Polyps](#)
- [Aggressive Periodontitis](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Barrett Esophagus](#)

- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cognition](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Crohn Disease](#)
- [Death](#)
- [Depressive Disorder](#)
- [Developmental Disabilities](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Digestive System Neoplasms](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Drug Hypersensitivity](#)
- [Ductus Arteriosus](#)
- [Duodenal Neoplasms](#)
- [Dyslipidemias](#)
- [Dyspepsia](#)
- [Edema](#)
- [Endometriosis](#)
- [Eosinophilia](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infant](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukoplakia](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Motor Skills](#)

- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oligohydramnios](#)
- [Oral Submucous Fibrosis](#)
- [Osteoarthritis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Peptic Ulcer](#)
- [Periodontitis](#)
- [Pharyngeal Neoplasms](#)
- [Placenta Diseases](#)
- [Postoperative Complications](#)

- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Diseases](#)
- [Vitiligo](#)
- [Werner syndrome](#)