PTGS2 FISH Probe

Catalog # FA0055 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — PTGS2

Entrez GeneID	5743
Gene Name	PTGS2
Gene Alias	COX-2, COX2, GRIPGHS, PGG/HS, PGHS-2, PHS-2, hCox-2

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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

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- 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

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- 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

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- 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

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- 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

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- 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

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- Skin Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Stroke
- Thrombosis
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Uterine Diseases
- Vitiligo
- Werner syndrome

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