PTGES monoclonal antibody (M04A), clone 2B9

Catalog # H00009536-M04A Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PTGES.
Immunogen	PTGES (AAH08280.1, 1 a.a. ~ 152 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPAHSLVMSSPALPAFLLCSTLLVIKMYVVAIITGQVRLRKKAFANPEDALRHGGPQYCRSDPDVERCLRAHRNDMETIYPFLFLGFVYSFLGPNPFVAWMHFLVFLVGRVAHTVAYLGKLRAPIRSVTYTLAQLPCASMALQILWEAARHL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (79)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — PTGES

Entrez GeneID	9536
GeneBank Accession#	BC008280

Protein Accession#	AAH08280.1
Gene Name	PTGES
Gene Alias	MGC10317, MGST-IV, MGST1-L1, MGST1L1, MPGES, PGES, PIG12, PP102, PP1294, TP53I 12, mPGES-1
Gene Description	prostaglandin E synthase
Omim ID	605172
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expr ession of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involve d in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to t he pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory respon ses. [provided by RefSeq
Other Designations	MGST1-like 1|OTTHUMP00000022345|glutathione S-transferase 1-like 1|microsomal glutathione S-transferase 1-like 1|microsomal prostaglandin E synthase-1|p53-induced apoptosis protein 12| p53-induced gene 12|tumor protein p53 inducible protein 12

Pathway

- Arachidonic acid metabolism
- Metabolic pathways

Disease

- Adenocarcinoma
- Adenoma
- Alzheimer disease
- Atherosclerosis
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases

- Colorectal Neoplasms
- Connective Tissue Diseases
- Diabetes Complications
- Diabetes Mellitus
- Ductus Arteriosus
- Edema
- Esophageal Neoplasms
- Fetal Diseases
- Genetic Predisposition to Disease
- Hypertension
- Infant
- Infection
- Inflammation
- Lymphoma
- Metabolic Syndrome X
- Musculoskeletal Diseases
- Myocardial Infarction
- Neoplasms
- Osteoporosis
- Ovarian Neoplasms
- Pregnancy Complications
- Premature Birth
- Skin Diseases
- Stroke