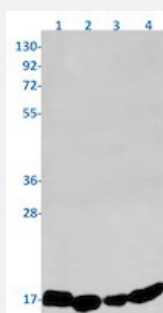


RecomAb™

PTGES recombinant monoclonal antibody, clone R03-8E7

Catalog # RAB01981 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: MCF-7, Lane 2: C6, Lane 3: 3T3 and Lane 4: HeLa lysates with PTGES recombinant monoclonal antibody, clone R03-8E7 (Cat # RAB01981).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTGES.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PTGES.
Theoretical MW (kDa)	Calculated MW: 17 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: MCF-7, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with PTGES recombinant monoclonal antibody, clone R03-8E7 (Cat # RAB01981).

Gene Info — PTGES

Entrez GeneID[9536](#)**Protein Accession#**[O14684](#)**Gene Name**

PTGES

Gene Alias

MGC10317, MGST-IV, MGST1-L1, MGST1L1, MPGES, PGES, PIG12, PP102, PP1294, TP53I12, 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 expression 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 involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [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](#)