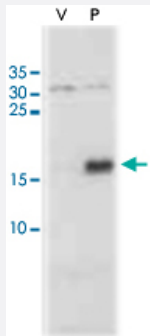


PTGES/PTGES2 polyclonal antibody

Catalog # PAB13620 Size 100 uL

Applications



Western Blot (Transfected lysate)

Lane V= vector-transfected HCT-116 cells.

Lane P= PGES-transfected HCT-116 cells.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTGES/PTGES2.
Immunogen	A synthetic peptide corresponding to human PTGES/PTGES2.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to microsomal human PGE Synthase (PGE Isomerase or mPGEi).
Form	Liquid
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In DPBS
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Lane V= vector-transfected HCT-116 cells.

Lane P= PGES-transfected HCT-116 cells.

Gene Info — PTGES

Entrez GeneID	9536
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

Gene Info — PTGES2

Entrez GeneID	80142
Gene Name	PTGES2
Gene Alias	C9orf15, FLJ14038, GBF1, MGC11289, PGES2, mPGES-2
Gene Description	prostaglandin E synthase 2
Omim ID	608152

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq]

Other Designations

GATE-binding factor 1|OTTHUMP00000022231|gamma-interferon-activated transcriptional element-binding factor 1|membrane-associated prostaglandin E synthase 2|microsomal prostaglandin E synthase-2

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Diabetes](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
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- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Ovarian Neoplasms](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Stroke](#)