

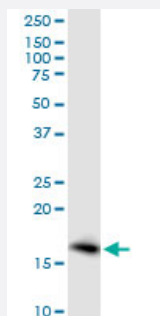
MaxPab®

# PTGES purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009536-B01P

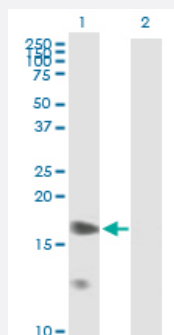
Size 50 ug

## Applications



### Western Blot (Cell lysate)

PTGES MaxPab polyclonal antibody. Western Blot analysis of PTGES expression in HeLa.

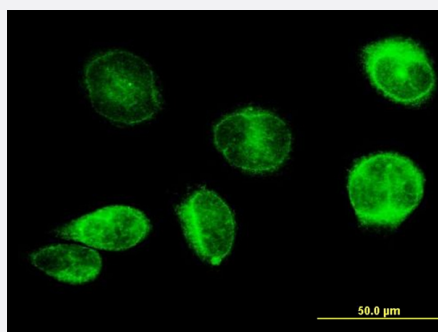


### Western Blot (Transfected lysate)

Western Blot analysis of PTGES expression in transfected 293T cell line ([H00009536-T01](#)) by PTGES MaxPab polyclonal antibody.

Lane 1: PTGES transfected lysate(16.72 KDa).

Lane 2: Non-transfected lysate.



### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PTGES on HeLa cell. [antibody concentration 10 ug/ml]

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human PTGES protein.

|                               |                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | PTGES (NP_004869.1, 1 a.a. ~ 152 a.a) full-length human protein.                                                                                                  |
| Sequence                      | MPAHSLSVMSSPALPAFLLCSTLLVIKMYVVAITGQVRLRKKAFANPEDALRHGGPQYCRSDPDVE<br>RCLRAHRNDMETIYPFLFLGFBVYSFLGPNPFVAWMHFLVFLVGRVAHTVAYLGKLRAPIRSVTYTL<br>AQLPCASMALQILWEAARHL |
| Host                          | Mouse                                                                                                                                                             |
| Reactivity                    | Human                                                                                                                                                             |
| Interspecies Antigen Sequence | Mouse (79); Rat (79)                                                                                                                                              |
| 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 (Cell lysate)

PTGES MaxPab polyclonal antibody. Western Blot analysis of PTGES expression in HeLa.

[Protocol Download](#)

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Western Blot analysis of PTGES expression in transfected 293T cell line ([H00009536-T01](#)) by PTGES MaxPab polyclonal antibody.

Lane 1: PTGES transfected lysate(16.72 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PTGES on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — PTGES

|                     |                             |
|---------------------|-----------------------------|
| Entrez GeneID       | <a href="#">9536</a>        |
| GeneBank Accession# | <a href="#">NM_004878.3</a> |
| Protein Accession#  | <a href="#">NP_004869.1</a> |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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            | <a href="#">605172</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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](#)