

# Ptges2 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11226

## Product Information

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Application</b>       | WB                                                    |
| <b>Primary Accession</b> | <a href="#">Q8BWM0</a>                                |
| <b>Other Accession</b>   | <a href="#">NM_133783</a> , <a href="#">NP_598544</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat                                     |
| <b>Predicted</b>         | Human, Mouse, Rat                                     |
| <b>Host</b>              | Rabbit                                                |
| <b>Clonality</b>         | Polyclonal                                            |
| <b>Calculated MW</b>     | 43324                                                 |

## Additional Information

|                                           |                                                                                                                                                                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                            | 96979                                                                                                                                                                                                                                  |
| <b>Alias Symbol</b><br><b>Other Names</b> | 0610038H10Rik, C79137, Gbf1, Mpges2, Pges2<br>Prostaglandin E synthase 2, 5.3.99.3, GATE-binding factor 1, GBF-1,<br>Microsomal prostaglandin E synthase 2, mPGES-2, Prostaglandin E synthase 2<br>truncated form, Ptges2, Gbf1, Pges2 |
| <b>Format</b>                             | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                                                                      |
| <b>Reconstitution &amp; Storage</b>       | Add 50 ul of distilled water. Final anti-Ptges2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.                                        |
| <b>Precautions</b>                        | Ptges2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                  |

## Protein Information

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | Ptges2                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b> | Gbf1, Pges2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b> | Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2) (in vitro). The biological function and the GSH-dependent property of PTGES2 is still under debate (By similarity). In vivo, PTGES2 could form a complex with GSH and heme and would not participate in PGE2 synthesis but would catalyze the degradation of prostaglandin E2 H2 (PGH2) to 12(S)-hydroxy-5(Z),8(E),10(E)-heptadecatrienoic acid (HHT) and malondialdehyde (MDA) (By |

similarity). May also have transactivation activity toward IFN- gamma (IFNG), possibly via an interaction with CEBPB; however, the relevance of transcription activation activity remains unclear (PubMed:[12050152](#)).

**Cellular Location**

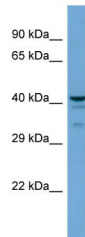
Golgi apparatus membrane {ECO:0000250 | UniProtKB:Q9H7Z7}; Single-pass membrane protein {ECO:0000250 | UniProtKB:Q9H7Z7}. Nucleus  
Note=According to PubMed:12050152, some fraction may be nuclear

**Tissue Location**

Widely expressed. Expressed in brain, heart, liver, colon and lung.

**Images**

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Host: Rabbit

Target Name: Ptges2

Sample Tissue: Mouse Brain lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.