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Ptges2 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11226

Specification

Ptges2 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8BWM0
Other Accession	NM_133783, NP_598544
Reactivity	**Human, Mouse, Rat**
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43kDa KDa**

Ptges2 Antibody - N-terminal region - Additional Information

Gene ID 96979

Alias Symbol	**0610038H10Rik, C79137, Gbf1, Mpges2, Pges2**

Other Names
Prostaglandin E synthase 2, 5.3.99.3, GATE-binding factor 1, GBF-1, Microsomal prostaglandin E synthase 2, mPGES-2, Prostaglandin E synthase 2 truncated form, Ptges2, Gbf1, Pges2

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
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.

Precautions
Ptges2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Ptges2 Antibody - N-terminal region - Protein Information

Name Ptges2

Synonyms Gbf1, Pges2

Function
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

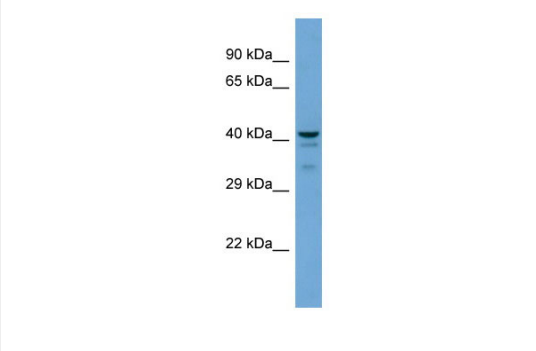
Tissue Location
Widely expressed. Expressed in brain, heart, liver, colon and lung.

Ptges2 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Ptges2 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Ptges2
Sample Tissue: Mouse Brain lysates
Antibody Dilution: 1.0µg/ml