

Ptges2 Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11225

Product Information

Application	WB
Primary Accession	Q8BWM0
Other Accession	NM_133783 , NP_598544
Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43324

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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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](#)).

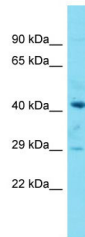
Cellular Location

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.

Images



Host: Rabbit

Target Name: Ptges2

Sample Tissue: Mouse Spleen lysates

Antibody Dilution: 1.0µg/ml

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