

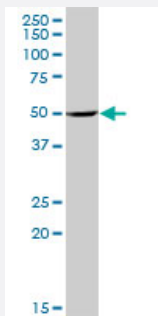
MaxPab®

PTGS1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005742-D01

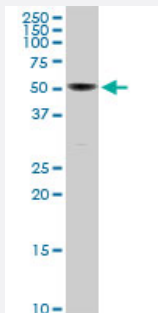
Size 100 uL

Applications



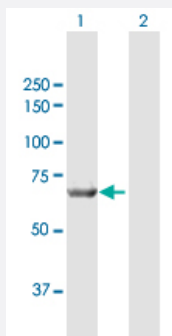
Western Blot (Tissue lysate)

PTGS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTGS1 expression in mouse spleen.



Western Blot (Cell lysate)

PTGS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTGS1 expression in HeLa.

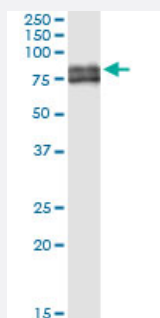


Western Blot (Transfected lysate)

Western Blot analysis of PTGS1 expression in transfected 293T cell line ([H00005742-T01](#)) by PTGS1 MaxPab polyclonal antibody.

Lane 1: PTGS1 transfected lysate(68.70 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PTGS1 transfected lysate using anti-PTGS1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTGS1 purified MaxPab mouse polyclonal antibody (B01P) ([H00005742-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTGS1 protein.
Immunogen	PTGS1 (AAH29840.1, 1 a.a. ~ 599 a.a) full-length human protein.
Sequence	MSRSLLLRFLFLLLPPLPVLLADPGAPTPVNPCCYPCQHQGICVRFGLDRYQCDCTRTGYSG PNCTIPGLWTWLRNSLRSPSFTHFLTHGRWFWFVNATFIREMLMRLVLTVRSNLIPSPPTYN AHDYISWESFSNVSYYTRILPSVPKDCPTPMGTGKGGKQLPDAQLLARRFLLRRKFIPDPQGTNLMF AFFAQHFTHQFFKTSKGMPGFTKALGHGVDLGHYGDNLERQYQLRLFKDGLKYQVLDGEMY PPSVEEAPVLMHYPRGIPPQSQMAVGQEVFGLLPGLMLYATLWLREHNRVCDLLKAEHPTWGD EQLFQTTRLILIGETIKVIEEYVQQLSGYFLQLKFDPELLFGVQFQYRNRIAMEFNHLYHWHPLMPDS FKVGSQEYSYEQFLFNTSMLVDYGVEALVDAFSRQIAGRIGGGRNMDHHLHVAVDVIRESREMRL QPFNEYRKRFGMKPYTSFQELVGEKEMAAELEEYGDIDALEFYPLLLEKCHPNSIFGESMIEIG APFSLKGLLGNPICSPEYWKPSTFGGEVGFNVKTATLKKLVCLNTKTCYVSFRVPDASQDDGP AVERPSTEL
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PTGS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTGS1 expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Cell lysate)

PTGS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTGS1 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PTGS1 expression in transfected 293T cell line ([H00005742-T01](#)) by PTGS1 MaxPab polyclonal antibody.

Lane 1: PTGS1 transfected lysate(68.70 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PTGS1 transfected lysate using anti-PTGS1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTGS1 purified MaxPab mouse polyclonal antibody (B01P) ([H00005742-B01P](#)).

[Protocol Download](#)

Gene Info — PTGS1

Entrez GeneID [5742](#)

GeneBank Accession# [BC029840.1](#)

Protein Accession# [AAH29840.1](#)

Gene Name PTGS1

Gene Alias COX1, COX3, PCOX1, PGG/HS, PGHS-1, PGHS1, PHS1, PTGHS

Gene Description prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)

Omim ID [176805](#)

Gene Ontology [Hyperlink](#)

Gene Summary Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes PTGS1, which regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. PTGS1 is thought to be involved in cell-cell signaling and maintaining tissue homeostasis. Alternative splicing of this gene generates two transcript variants. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. [provided by RefSeq]

Other Designations

OTTHUMP00000022052|OTTHUMP00000022053|prostaglandin G/H synthase and cyclooxygenase|prostaglandin-endoperoxide synthase 1

Pathway

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- [Metabolic pathways](#)

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- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
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- [Atherosclerosis](#)
- [Atrophy](#)
- [Brain Ischemia](#)
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- [Vascular Diseases](#)
- [Werner syndrome](#)