

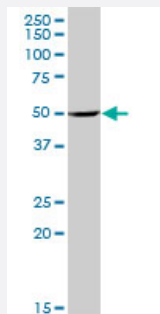
MaxPab®

PTGS1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005742-D01P

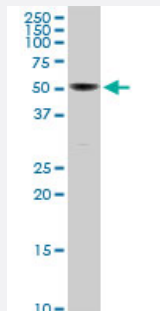
Size 100 ug

Applications



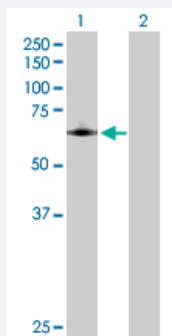
Western Blot (Tissue lysate)

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.

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	MSRSLLLRFLFLLLLPLPVLLADPGAPTPVNPCCYPCQHQGICVRFGLDRYQCDCTRTGYSG PNCTIPGLWTWLRNSLRSPSPSFTHLLTHGRWFWFVNATFIREMLMRLVLTVRSNLIPSPPTYNS AHDYISWESFSNVSYYTRILPSVPKDCPTPMGTGKGGKQLPDAQLLARRFLLRRKFIPDPQGTNLMF AFFAQHFTHQFFKTSGKMGPGFTKALGHGVLDLGHYGDNLERQYQLRLFKDGLKYQVLDGEMY PPSVEEAPVLMHYPRGIPPQSQMAVGQEVFGLLPGLMLYATLWLREHNRVCDLLKAEHPTWGD EQLFQTTRLILIGETIKVIEEYVQQLSGYFLQLKFDPELLFGVQFQYRNRIAMEFNHLYHWHPLMPDS FKVGSQEYSYEQFLFNTSMLVDYGVEALVDAFSRQIAGRIGGGGRNMDHHILHVAVDVIRESREMRL QPFNEYRKRFGMKPYTSFQELVGEKEMAAELEELYGDIDALEFYPLLLEKCHPNSIFGESMIEIG APFSLKGLLGNPICSPEYWKPSTFGGEVGFNVKTATLKKLVCLNTKTCPYVSFRVPDASQDDGP AVERPSTEL
Host	Rabbit
Reactivity	Human, Mouse
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 (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](#)

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

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