

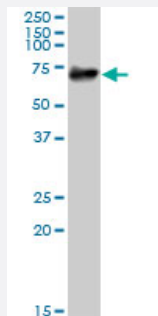
MaxPab®

PTGS1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005742-B01P

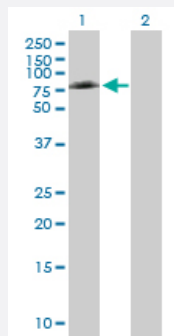
Size 50 ug

Applications



Western Blot (Cell lysate)

PTGS1 MaxPab polyclonal antibody. Western Blot analysis of PTGS1 expression in A-431.



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(65.89 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse 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	MSRSLLLRFLFLLLPPLPVLLADPGAPTPVNPCCYPCQHQGICVRFGLDRYQCDCRTRTGYSG PNCTIPGLWTWLRNSLRPSPSFTHFLLTHGRWFWFVNATFIREMLMRLVLTVRNLIPSPPTYNS AHDYISWESFSNVSYTRILPSVPKDCPTPMGTGKGGKQLPDAQLLARRFLLRRKFIPDPQGTNLMF AFFAQHFTHQFFKTS GKMGPGFTKALGHGVDLGHYGDNLERQYQLRFLKDGKLYQVLDGEMY PPSVEEAPVLMHYPRGIPPQSQMAVGQEVFGLLPGLMLYATLWLREHNRVCDLLKAEHPTWGD EQLFQTTRLILIGETIKVIEEYVQQLSGYFLQLKFDPPELLFGVQFQYRNRIAMEFNHLYHWHPLMPDS FKVGSQEYSYEQLFNTSMLVDYGVEALVDAFSRQIAGRIGGGRNMDHHILHVAVDVIRESREMRL QPFNEYRKRFGMKPYTSFQELVGEKEMAAELEELYGDIDALEFYPLGILLEKCHPNSIFGESMIEIG APFSLKGLLGNPICSPEYWKPSTFGGEVGFNVKTATLKKLVCLNTKTCPYVSFRVPDASQDDGP AVERPSTEL
Host	Mouse
Reactivity	Human
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 (Cell lysate)

PTGS1 MaxPab polyclonal antibody. Western Blot analysis of PTGS1 expression in A-431.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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

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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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