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PTGDS MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00005730-B01

規格 : [50 uL]

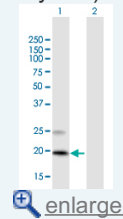
[List All](#)

Specification

Product Description:	Mouse polyclonal antibody raised against a full-length human PTGDS protein.
Immunogen:	PTGDS (NP_000945.3, 1 a.a. ~ 190 a.a) full-length human protein.
Sequence:	MATHHTLWMGLALLGVLGDLQAAPEAQVSVQPNFQQDKFLGRWFSAG LASNSSWLREKKAALSMCKSVVAPATDGGNLNSTFLRKNQCETRTMLL QPAGSLGSYSYRSPHWGSTYSVSWETDYDQYALLYSQGSKGPGEDF RMTLYSRTQTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ
Host:	Mouse
Reactivity:	Human
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.
Note:	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.
MSDS:	 Download
Datasheet:	 Download

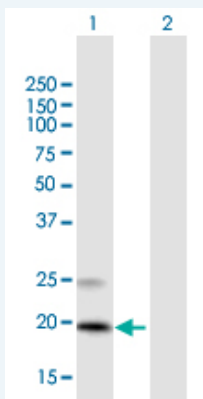
Application Image

Western Blot (Transfected lysate)



Applications


Western Blot (Transfected lysate)



Western Blot analysis of PTGDS expression in transfected 293T cell line (H00005730-T01) by PTGDS MaxPab polyclonal antibody.

Lane 1: PTGDS transfected lysate(20.9 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [5730](#)

GeneBank
Accession#: [NM_000954.5](#)

Protein
Accession#: [NP_000945.3](#)

Gene Name: PTGDS

Gene Alias: LPGDS,PDS,PGD2,PGDS,PGDS2

Gene
Description: prostaglandin D2 synthase 21kDa (brain)

Omim ID: [176803](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to prostaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep. [provided by RefSeq]

Other Designations: OTTHUMP00000022638,PGD2 synthase,beta-trace protein,glutathione-independent PGD synthase,lipocalin-type prostaglandin D synthase,prostaglandin D synthase,prostaglandin D2 synthase (21kD, brain),prostaglandin H2 D-isomerase,prostaglandin-H2 D-isomerase

Gene Pathway

[Arachidonic acid metabolism](#) [Metabolic pathways](#)

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