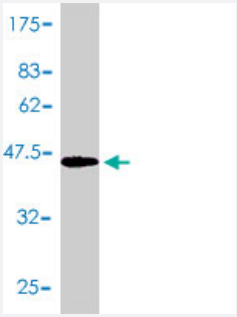
PTGDS polyclonal antibody (A01)

Catalog # H00005730-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (47.01 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant PTGDS.
Immunogen	PTGDS (AAH05939, 1 a.a. ~ 190 a.a) full-length recombinant protein with GST tag.
Sequence	MATHHTLWMGLALLGVLGDLQAAPEAQVSVQPNFQQDKFLGRWFSAGLASNSSWLREKKAAL SMCKSVVAPATDGGLNLTSTFLRKNQCETRTMLLQPAGSLGSYSYRSPHWGSTYSVSVVETDYD QYALLYSQGSKGPGEDFRMATLYSRTQTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.01 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — PTGDS

Entrez GeneID	5730
GeneBank Accession#	BC005939
Protein Accession#	AAH05939
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 cat alyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2). PGD2 functions a s a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involve d in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This ge ne is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene sug gest that this gene may be also involved in the regulation of non-rapid eye movement sleep. [provi ded by RefSeq
Other Designations	OTTHUMP00000022638|PGD2 synthase|beta-trace protein|glutathione-independent PGD syntha se|lipocalin-type prostaglandin D synthase|prostaglandin D synthase|prostaglandin D2 synthase (21kD, brain)|prostaglandin H2 D-isomerase|prostaglandin-H2 D-isomerase

Publication Reference

- Decreased intrathecal synthesis of prostaglandin D(2) synthase in the cerebrospinal fluid of patients with acute inflammatory demyelinating polyneuropathy.

  Huang YC, Lyu RK, Tseng MY, Chang HS, Hsu WC, Kuo HC, Chu CC, Wu YR, Ro LS, Huang CC, Chen CM.

  Journal of Neuroimmunology 2008 Dec; 206(1-2):100.

  Application: WB, Human, Cerebrospinal fluid from patients with acute inflammatory demyelinating polyneuropathy , Miller-Fisher syndrome , chronic inflammatorydemyelinating polyradiculoneuropathy, and multiple sclerosis

- 7beta-Hydroxy-epiandrosterone-mediated regulation of the prostaglandin synthesis pathway in human peripheral blood monocytes.

  Mee SL, Hennebert O, Ferrec C, Wulfert E, Morfin R.

  Steroids 2008 May; 73(11):1148.

  Application: WB-Ce, Human, PBMCs

Pathway

- Arachidonic acid metabolism
- Metabolic pathways

Disease

- Arteriosclerosis
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Carotid Artery Diseases
- Chronic Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension

- Kidney Failure
- Periodontitis
- Schizophrenia