



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## PTGDS polyclonal antibody (A01)

Catalog # : H00005730-A01

規格 : [ 50 uL ]

List All

### Specification

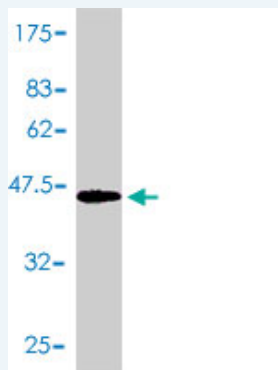
<b>Product Description:</b>	Mouse polyclonal antibody raised against a full-length recombinant PTGDS.
<b>Immunogen:</b>	PTGDS (AAH05939, 1 a.a. ~ 190 a.a) full-length recombinant protein with GST tag.
<b>Sequence:</b>	MATHHTLWMGLALLGVLGDLQAAPEAQVSVQPNFQQDKFLGRWFSAG LASNSSWLREKKAALSMCKSVVAPATDGGLNLTSTFLRKNQCETRTMLL QPAGSLGSSYSRSPHWGSTYSVSVWETDYDQYALLYSQGSKGPGEDF RMTLYSRTQTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human

### Application Image

Western Blot (Recombinant protein)

ELISA

**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.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### 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. *J Neuroimmunol.* 2009 Jan 3;206(1-2):100-5. Epub 2008 Dec 2.
- 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 Oct;73(11):1148-59. Epub 2008 May 14.

### Applications

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**ELISA**

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**Gene Information**

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**Entrez GeneID:** [5730](#)**GeneBank** [BC005939](#)**Accession#:****Protein** [AAH05939](#)**Accession#:****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**

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[Arachidonic acid metabolism](#) [Metabolic pathways](#)**Related Disease**

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[Arteriosclerosis](#) [Atherosclerosis](#) [Breast cancer](#) [Breast Neoplasms](#) [Cardiovascular Diseases](#) [Carotid Artery Diseases](#) [Chronic Disease](#) [Diabetes Mellitus, Type 2](#) [Edema](#) [Genetic Predisposition to Disease](#) [Hypertension](#) [Kidney Failure](#) [Chronic Periodontitis](#) [Schizophrenia](#) [Schizophrenia](#)