



# 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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## Datasheet

### PTGDS recombinant monoclonal antibody, clone R06-1C5

**Catalog Number:** RAB04852

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit recombinant monoclonal antibody raised against human PTGDS.

**Clone Name:** R06-1C5

**Immunogen:** Original antibody is raised against a synthetic peptide corresponding to human PTGDS.

**Theoretical MW (kDa):** Calculated MW: 21 kD

**Antibody Species:** Rabbit

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Affinity chromatography

**Isotype:** IgG

**Recommend Usage:** Immunocytochemistry (1:50-1:200)  
Immunofluorescence (1:50-1:200)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100)  
Immunohistochemistry (Frozen sections) (1:50-1:100)  
Western Blot (1:500-1:1000)  
The optimal working dilution should be determined by the end user.

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5730

**Gene Symbol:** PTGDS

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

**Gene Summary:** The protein encoded by this gene is a

glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H<sub>2</sub> (PGH<sub>2</sub>) to prostaglandin D<sub>2</sub> (PGD<sub>2</sub>). PGD<sub>2</sub> functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD<sub>2</sub> 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]