

PTGDS Rabbit pAb

Catalog No.: A1889 **1 Publications**

Basic Information

Observed MW

28kDa

Calculated MW

21kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

5730

Swiss Prot

P41222

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 23-190 of human PTGDS (NP_000945.3).

Synonyms

PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS; PTGDS

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

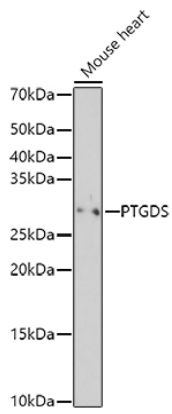
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of Mouse heart, using PTGDS antibody (A1889) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.