



Datasheet for ABIN7259907 anti-PTGDS antibody



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2 Images

Overview

Quantity:	200 µL
Target:	PTGDS
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGDS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein of human PTGDS (NP_000945.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	PTGDS
Alternative Name:	PTGDS (PTGDS Products)
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

Target Details

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.

Molecular Weight: Observed_MW: 33 kDa
Calculated_MW: 21 kDa

Gene ID: 5730

UniProt: [P41222](#)

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

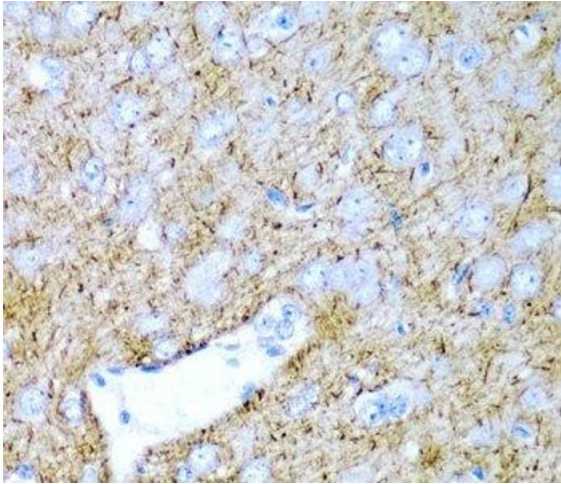
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

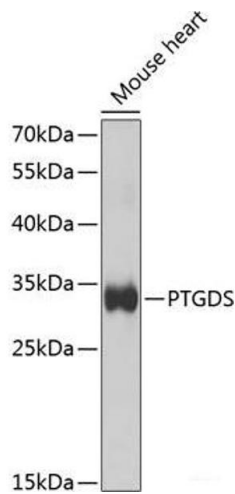
Storage: -20 °C

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Rat brain using PTGDS Polyclonal Antibody at dilution of 1:200 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of Mouse heart using PTGDS Polyclonal Antibody at dilution of 1:1000.