

Datasheet for ABIN6146397
anti-PTGDS antibody (AA 23-190)



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1 Image

Overview

Quantity:	100 µL
Target:	PTGDS
Binding Specificity:	AA 23-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGDS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 23-190 of human PTGDS (NP_000945.3).
Sequence:	APEAQVSVQP NFQQDKFLGR WFSAGLASNS SWLREKKAAL SMCKSVVAPA TDGGLNLTST FLRKNQCETR TMLLQPAGSL GSYSYRSPHW GSTYSVSVVE TDYDQYALLY SQGSKGPGED FRMATLYSRT QTPRAELKEK FTAFCQAQGF TEDTIVFLPQ TDKCMTEQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PTGDS
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Target Details

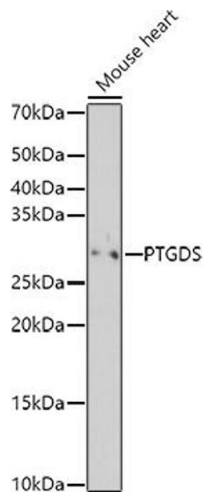
Alternative Name:	PTGDS (PTGDS Products)
Background:	The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central 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.,PTGDS,L-PGDS,LPGDS,PDS,PGD2,PGDS,PGDS2,Signal Transduction,PTGDS
Molecular Weight:	21 kDa
Gene ID:	5730
UniProt:	P41222

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
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.



Western Blotting

Image 1. Western blot analysis of extracts of Mouse heart, using PTGDS antibody (ABIN6128311, ABIN6146397, ABIN6146398 and ABIN6219023) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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.