

For Research Use Only

PTGDS Monoclonal antibody

Catalog Number: 68783-3-Ig



Basic Information

Catalog Number: 68783-3-Ig	GenBank Accession Number: BC005939	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5730	CloneNo.: 2D6E7
Source: Mouse	UNIPROT ID: P41222	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: prostaglandin D2 synthase 21kDa (brain)	
Immunogen Catalog Number: AG34483	Calculated MW: 21 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig, rabbit	WB : rat brain tissue, human urine sample, human plasma sample, pig brain tissue, rabbit brain tissue, mouse brain tissue

Background Information

Glycoprotein prostaglandin D2 synthase (PTGDS), also known as L-PGDS, PGDS, and LPGDS, is a member of the lipocalin superfamily and plays dual roles in prostaglandins metabolism and lipid transport (PMID: 34743203). PTGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PTGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. PTGDS is abundantly expressed in the brain and heart and has also been found in testis, prostate, kidney, spleen and leukocytes. It can be found as a collection of monomeric glycoforms with molecular weights in the 27-34 kDa range (PMID: 32430846).

Storage

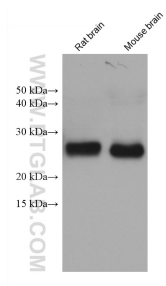
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

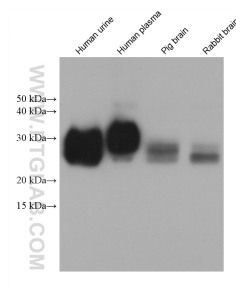
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68783-3-Ig (PGDS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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