

For Research Use Only

PTGDS Polyclonal antibody, PBS Only

Catalog Number:10754-2-PBS



Basic Information

Catalog Number:

10754-2-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1163

GenBank Accession Number:

BC005939

GeneID (NCBI):

5730

UNIPROT ID:

P41222

Full Name:

prostaglandin D2 synthase 21kDa (brain)

Calculated MW:

21 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS Only

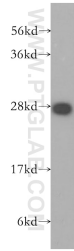
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

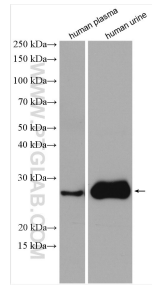
E: proteintech@ptglab.com
W: ptglab.com

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

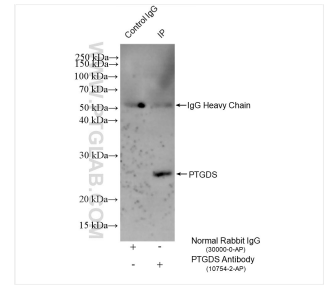
Selected Validation Data



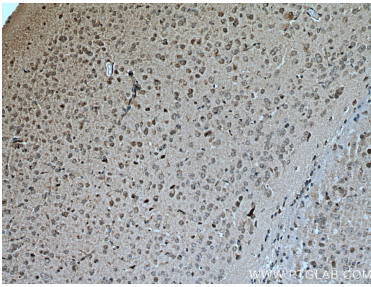
HeLa cells were subjected to SDS PAGE followed by western blot with 10754-2-AP (PTGDS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10754-2-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 10754-2-AP (PTGDS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10754-2-PBS in a different storage buffer formulation.



IP result of anti-PTGDS (IP:10754-2-AP, 4ug; Detection:10754-2-AP 1:600) with mouse brain tissue lysate 1840 ug. This data was developed using the same antibody clone with 10754-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10754-2-AP (PTGDS antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10754-2-PBS in a different storage buffer formulation.