

For Research Use Only

PTPN11 Monoclonal antibody, PBS Only



Catalog Number: 66795-1-PBS

Basic Information

Catalog Number:

66795-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13649

GenBank Accession Number:

BC008692

GeneID (NCBI):

5781

UNIPROT ID:

Q06124

Full Name:

protein tyrosine phosphatase, non-receptor type 11

Calculated MW:

597 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

3F8A8

Applications

Tested Applications:

WB,IHC,IF,FC,ELISA

Species Specificity:

Human, Mouse, Rat

Background Information

PTPN11 (protein tyrosine phosphatase, non-receptor type 11) is also named as PTP-1D, PTP2, PTP2C, PTP3, SHP2, CFC, CFC, BTP3, SH-PTP2, SH-PTP3, MGC14433 and belongs to the protein-tyrosine phosphatase family and non-receptor class 2 subfamily. It modulates and regulates signaling through numerous pathways, many of which are active in the developing endocardial cushions and implicated the ERK pathway as a central mechanism (PMID: 19017799). Its signaling may play equally important roles in retinal survival in both physiological and pathological conditions (PMID: 21576358). Defects in PTPN11 are the cause of LEOPARD syndrome type 1 (LEOPARD1), Noonan syndrome type 1 (NS1), juvenile myelomonocytic leukemia (JMML) and metachondromatosis (MC). It has 3 isoforms produced by alternative splicing.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

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

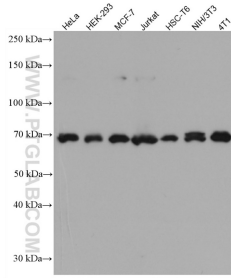
T: 4006900926

E: Proteintech-CN@ptglab.com

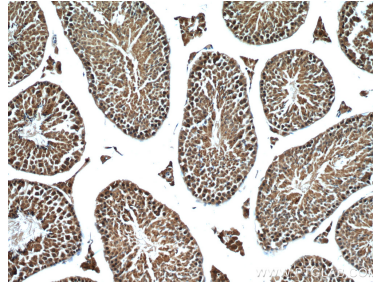
W: ptgcn.com

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

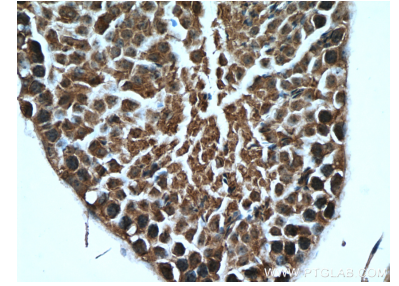
Selected Validation Data



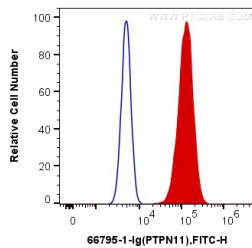
Various lysates were subjected to SDS PAGE followed by western blot with 66795-1-Ig (PTPN11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66795-1-PBS in a different storage buffer formulation.



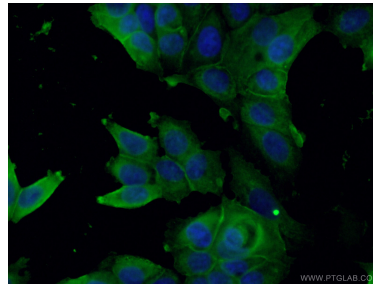
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66795-1-Ig (PTPN11 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66795-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66795-1-Ig (PTPN11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66795-1-PBS in a different storage buffer formulation.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human PTPN11 (66795-1-Ig, Clone:3F8A8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66795-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 66795-1-Ig (PTPN11 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66795-1-PBS in a different storage buffer formulation.