

For Research Use Only

PTPN20 Polyclonal antibody

Catalog Number: 19510-1-AP



Basic Information

Catalog Number:

19510-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015605

GeneID (NCBI):

26095

UNIPROT ID:

Q4JDL3

Full Name:

protein tyrosine phosphatase, non-receptor type 20B

Calculated MW:

48 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse tongue tissue, pig tongue tissue, rat tongue tissue

IHC: mouse tongue tissue, mouse spleen tissue

IF/ICC: A431 cells,

Background Information

PTPN20B, also named as PTPN20A, belongs to the protein-tyrosine phosphatase family and Non-receptor class subfamily. PTPN20B is a tyrosine-protein phosphatase targeted to sites of actin polymerization in response of varied extracellular stimuli. PTPN20B has tyrosine phosphatase activity towards various tyrosyl phosphorylated substrates. PTPN20B catalyze the reaction: Protein tyrosine phosphate + H₂O = protein tyrosine + phosphate. The antibody can recognize the isoform 1,2,7,8,10,11,13,15.

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**

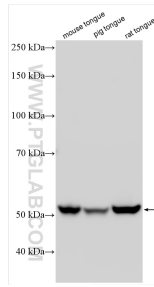
For technical support and original validation data for this product please contact:

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

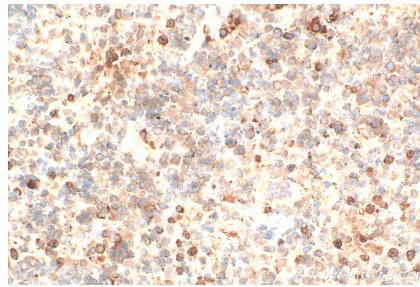
E: proteintech@ptglab.com
W: ptglab.com

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

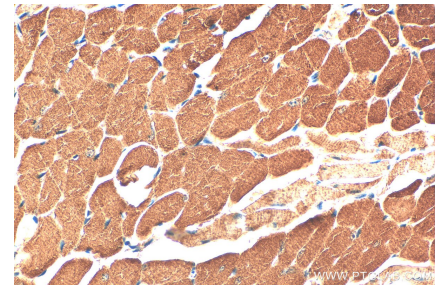
Selected Validation Data



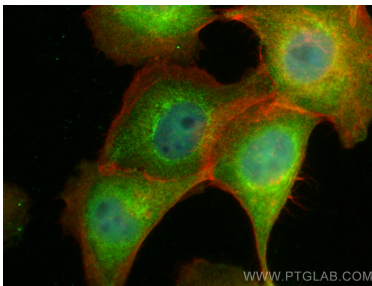
Various lysates were subjected to SDS PAGE followed by western blot with 19510-1-AP (PTPN20B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 19510-1-AP (PTPN20 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 19510-1-AP (PTPN20 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using PTPN20 antibody (19510-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).