

PTPN20 Polyclonal antibody

Catalog Number: 19510-1-AP

Basic Information

Catalog Number:

19510-1-AP

Concentration:

300 ug/ml

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:

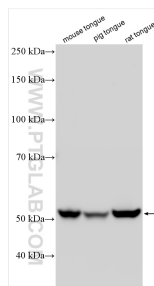
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

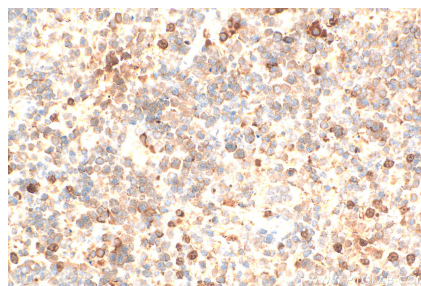
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

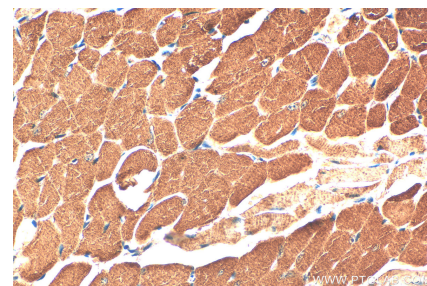
Selected Validation Data



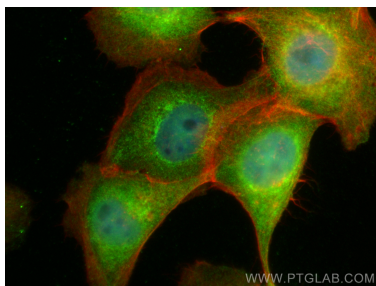
Various lysates were subjected to SDS PAGE followed by western blot with 19510-1-AP (PTPN20B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).