

PTPN2 Monoclonal antibody

Catalog Number: 67388-1-Ig

Basic Information

Catalog Number:

67388-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29749

GenBank Accession Number:

BC016727

GeneID (NCBI):

5771

UNIPROT ID:

P17706

Full Name:

protein tyrosine phosphatase, non-receptor type 2

Calculated MW:

49 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein G purification

CloneNo.:

2A1D1

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat

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 : PC-3 cells, HeLa cells, 4T1 cells, LNCaP cells, HEK-293T cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, HepG2 cells, K-562 cells

IHC : human breast cancer tissue,

Background Information

PTPN2 (Tyrosine-protein phosphatase non-receptor type 2) is also named as PTPT and belongs to the protein-tyrosine phosphatase family. It may modulate beta-cell apoptosis and/or local release of inflammatory mediators in the course of a viral infection by acting, at least in part, at the pancreatic beta-cell level (PMID: 19825843). This protein has some isoforms produced by alternative splicing with the molecular mass of 40-50 kDa.

Storage

Storage:

Store at -20°C.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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

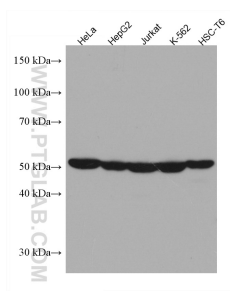
T: 4006900926

E: Proteintech-CN@ptglab.com

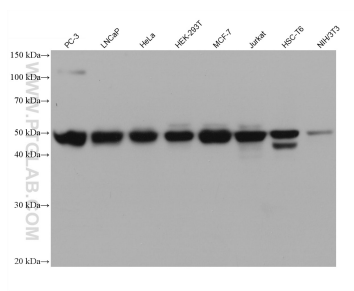
W: ptgcn.com

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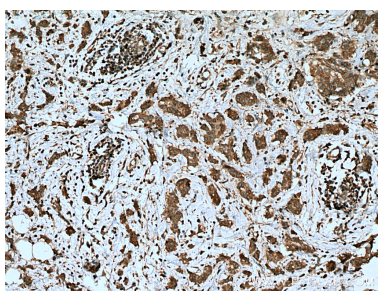
Selected Validation Data



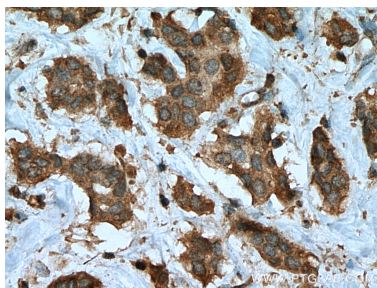
Various lysates were subjected to SDS PAGE followed by western blot with 67388-1-Ig (PTPN2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67388-1-Ig (PTPN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67388-1-Ig (PTPN2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67388-1-Ig (PTPN2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).