

# PTPN9 Monoclonal antibody

Catalog Number: 67931-1-Ig

Featured Product

## Basic Information

**Catalog Number:**

67931-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG30615

**GenBank Accession Number:**

BC010863

**GeneID (NCBI):**

5780

**UNIPROT ID:**

P43378

**Full Name:**

protein tyrosine phosphatase, non-receptor type 9

**Calculated MW:**

593 aa, 68 kDa

**Observed MW:**

68 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1D6E4

**Recommended Dilutions:**

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Species Specificity:**

Human, pig, mouse

**Positive Controls:**

WB : MCF-7 cells, Jurkat cells, pig pancreas tissue, A549 cells, HeLa cells, RAW 264.7 cells

IF/ICC : U2OS cells,

## Background Information

PTPN9, Tyrosine-protein phosphatase non-receptor type 9, is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN9 is involved in the transfer of hydrophobic ligands or in functions of the Golgi apparatus (PMID: 19167335). MiR-96 inhibits PTPN9 expression and consequently promotes proliferation, migration and invasion of breast cancer cells (PMID:27857177).

## Storage

**Storage:**

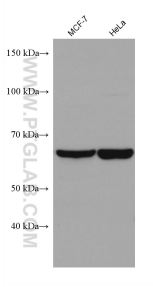
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

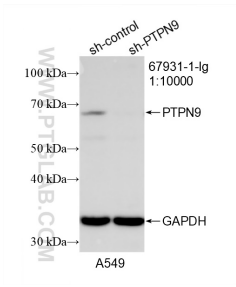
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

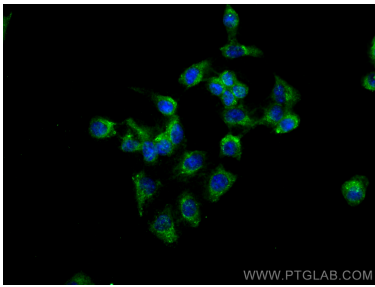
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67931-1-Ig (PTPN9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of PTPN9 antibody (67931-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTPN9 transfected A549 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using PTPN9 antibody (67931-1-Ig, Clone: 1D6E4 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).