

PTPN12 Polyclonal antibody

Catalog Number: 31215-1-AP

Basic Information

Catalog Number:

31215-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35382

GenBank Accession Number:

NM_002835.3

GeneID (NCBI):

5782

UNIPROT ID:

Q05209

Full Name:

protein tyrosine phosphatase, non-receptor type 12

Calculated MW:

88kDa

Observed MW:

110-125 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, HeLa cells, HepG2 cells, MCF-7 cells

IF/ICC : A431 cells,

Background Information

PTPN12 (Tyrosine-protein phosphatase non-receptor type 12), also referred to as PTP-PEST (PTP-proline, glutamic acid, serine, and threonine-rich), is a cytoplasmic PTP expressed in a wide spectrum of cell types. PTPN12 has been identified as a potent tumor suppressor in human cancers and a critical regulator of cell adhesion and migration (PMID: 26391955, 29743287). PTPN12 is phosphorylated on serine and threonine residues and is rich in proline (P), glutamate (E), serine (S), and threonine (T) residues. Western blot analysis detected PTPN12 at an apparent molecular mass of 110 kDa.

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

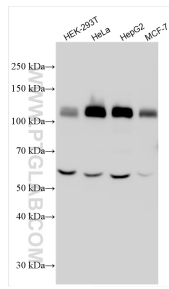
For technical support and original validation data for this product please contact:

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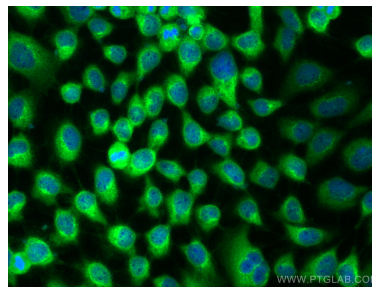
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31215-1-AP (PTPN12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using PTPN12 antibody (31215-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).