

For Research Use Only

PTPN12 Polyclonal antibody

Catalog Number: 31215-1-AP



Basic Information

Catalog Number: 31215-1-AP	GenBank Accession Number: NM_002835.3	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 5782	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q05209	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 12	
Immunogen Catalog Number: AG35382	Calculated MW: 88kDa	
	Observed MW: 110-125 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	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

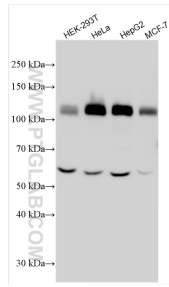
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

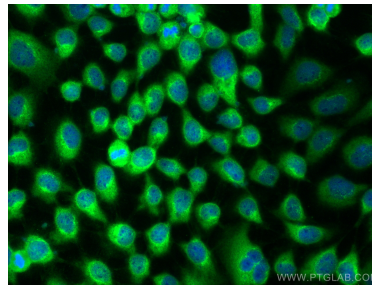
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 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).