

For Research Use Only

USP18 Polyclonal antibody, PBS Only

Catalog Number:12153-1-PBS



Basic Information

Catalog Number: 12153-1-PBS	GenBank Accession Number: BC014896	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 11274	
Source: Rabbit	UNIPROT ID: Q9UMW8	
Isotype: IgG	Full Name: ubiquitin specific peptidase 18	
Immunogen Catalog Number: AG2785	Calculated MW: 372 aa, 43 kDa	
	Observed MW: 43 kDa, 70 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

USP18(UBP43) is a 43 kDa protein that is known as an ISG15-deconjugating enzyme and an inhibitor of type I IFN signaling independent of its enzyme activity. USP18 can efficiently cleave only ISG15 fusions including native ISG15 conjugates linked via isopeptide bonds. It can be detected two bands(apparent MW of 38 and 35 kDa), the faster migrating one results from proteolytic processing in human primary hepatocytes(PMID:21779393). Sometimes the 70 kDa band is showed on the SDS-PAGE that it is considered as the complex of ISG15 and USP18(PMID: 14673145).

Storage

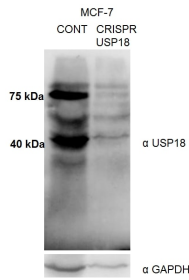
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

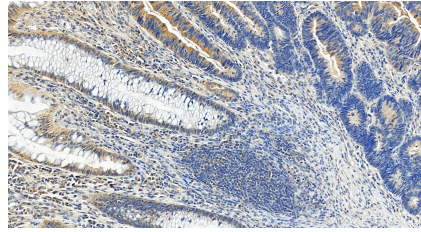
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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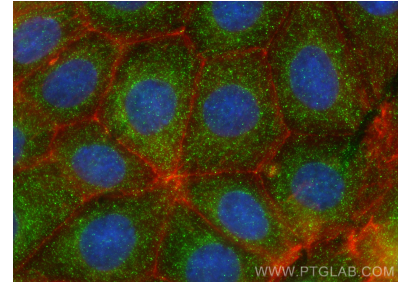
Selected Validation Data



WB result of USP18 antibody(12153-1-AP) with MCF-7 cells (Control and CRISPR USP18). This data was developed using the same antibody clone with 12153-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12153-1-AP (USP18 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12153-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using USP18 antibody (12153-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 12153-1-PBS in a different storage buffer formulation.