

For Research Use Only

USP18 Polyclonal antibody, PBS Only

Catalog Number: 12153-1-PBS

Featured Product



Basic Information

Catalog Number:

12153-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2785

GenBank Accession Number:

BC014896

GeneID (NCBI):

11274

UNIPROT ID:

Q9UMW8

Full Name:

ubiquitin specific peptidase 18

Calculated MW:

372 aa, 43 kDa

Observed MW:

43 kDa, 70 kDa

Purification Method:

Antigen affinity purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

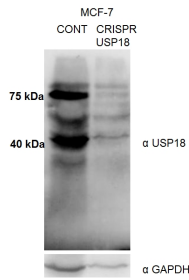
T: 4006900926

E: Proteintech-CN@ptglab.com

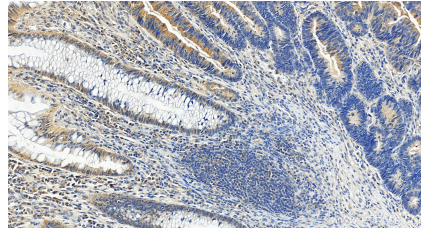
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

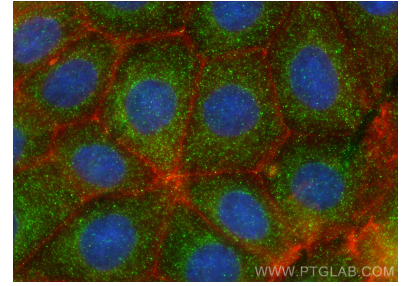
Selected Validation Data



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.