

For Research Use Only

USP18 Polyclonal antibody

Catalog Number: 12153-1-AP

3 Publications



Basic Information

Catalog Number:

12153-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

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

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: MCF-7,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Qin Zhu	39568023	Cancer Cell Int	WB
Liang Geng	39424095	Exp Cell Res	WB
Bingsi Tang	39156653	iScience	WB, IHC

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

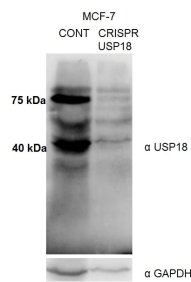
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



WB result of USP18 antibody(12153-1-AP) with MCF-7 cells (Control and CRISPR USP18).