

USP18 Polyclonal antibody

Catalog Number: 12153-1-AP

Basic Information

Catalog Number:

12153-1-AP

Size:

550 µg/ml

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

Species Specificity:

human

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).

Storage

Storage:

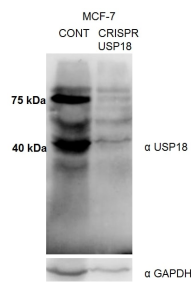
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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