

## USP18 Polyclonal Antibody

Catalog number: 12153-1-AP

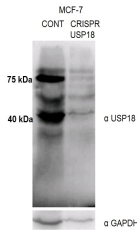
Size: 30 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

USP18; 43 kDa ISG15 specific protease, hUBP43, ISG43, Ubl thiolesterase 18, UBPA43, USP18



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

### Background

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 ISG15-specific protease UBPA43/USP18(PMID:14673145).

### Applications

|                         |                                  |
|-------------------------|----------------------------------|
| Tested applications:    | ELISA, WB                        |
| Species specificity:    | Human; other species not tested. |
| Calculated USP18 MW:    | 372aa,43 kDa                     |
| Observed USP18 MW:      | 43 kDa, 70 kDa                   |
| Positive WB detected in | MCF-7                            |
| Recommended dilution:   | WB: N/A                          |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

|                           |                                 |
|---------------------------|---------------------------------|
| Immunogen:                | Ag2785                          |
| GenBank accession number: | BC014896                        |
| Gene ID (NCBI):           | 11274                           |
| Full name:                | Ubiquitin specific peptidase 18 |

### Product information

|                      |   |
|----------------------|---|
| Purification method: | Antigen affinity purification                                       |
| Storage:             | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |