

For Research Use Only

# USP18 Polyclonal antibody

Catalog Number: 12153-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 12153-1-AP	<b>GenBank Accession Number:</b> BC014896	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 11274	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UMW8	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquitin specific peptidase 18	
<b>Immunogen Catalog Number:</b> AG2785	<b>Calculated MW:</b> 372 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa, 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## 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

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

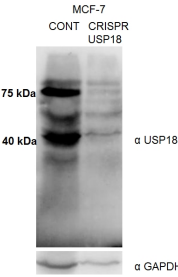
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# Selected Validation Data



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