

# USP18 Rabbit mAb

Catalog No.: A25354 **Recombinant**

## Basic Information

### Observed MW

28kDa/43kDa

### Calculated MW

43kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC66204

### Conjugate

Unmodified

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Background

This gene encodes a member of the immunoglobulin receptor superfamily and is one of several Fc receptor-like glycoproteins clustered on the long arm of chromosome 1. The encoded protein contains three extracellular C2-like immunoglobulin domains, a transmembrane domain and a cytoplasmic domain with two immunoreceptor-tyrosine activation motifs. This protein may play a role in the regulation of cancer cell growth. Alternative splicing results in multiple transcript variants.

## Immunogen Information

### Gene ID

11274

### Swiss Prot

Q9UMW8

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human USP18 (NP\_059110.2).

### Synonyms

ISG43; UBP43; PTORCH2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

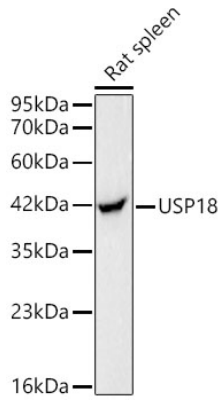
Affinity purification

### Storage

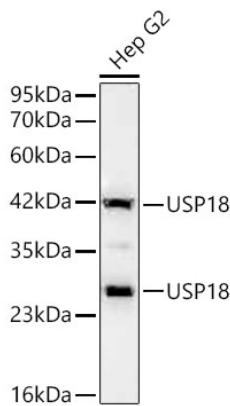
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

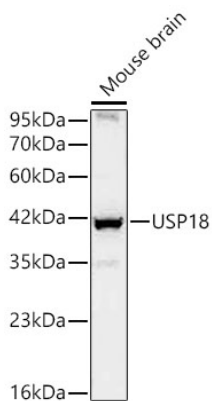
## Validation Data



Western blot analysis of lysates from rat spleen using USP18 Rabbit mAb (A25354) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



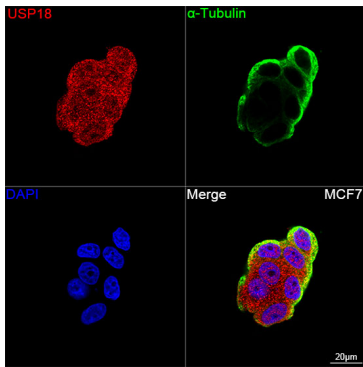
Western blot analysis of lysates from Hep G2 cells using USP18 Rabbit mAb (A25354) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates / proteins: 25 µg per lane.  
Blocking buffer: 3 % nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 45s.



Western blot analysis of lysates from mouse brain using USP18 Rabbit mAb (A25354) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 45s.

## Validation Data

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Confocal imaging of MCF7 cells using USP18 Rabbit mAb (A25354, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.