

# USP10 Rabbit mAb

Catalog No.: A4454

Recombinant

3 Publications

## Basic Information

### Observed MW

110kDa

### Calculated MW

87kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC1015

## Background

Ubiquitin is a highly conserved protein that is covalently linked to other proteins to regulate their function and degradation. This gene encodes a member of the ubiquitin-specific protease family of cysteine proteases. The enzyme specifically cleaves ubiquitin from ubiquitin-conjugated protein substrates. The protein is found in the nucleus and cytoplasm. It functions as a co-factor of the DNA-bound androgen receptor complex, and is inhibited by a protein in the Ras-GTPase pathway. The human genome contains several pseudogenes similar to this gene. Several transcript variants, some protein-coding and others not protein-coding, have been found for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

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

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

## Immunogen Information

### Gene ID

9100

### Swiss Prot

Q14694

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human USP10 (Q14694).

### Synonyms

UBPO; UBP10; MGC2621; USP10

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

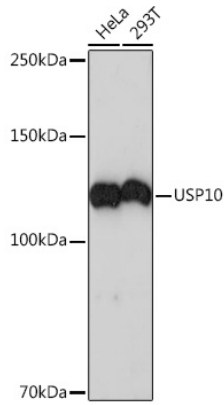
Affinity purification

### Storage

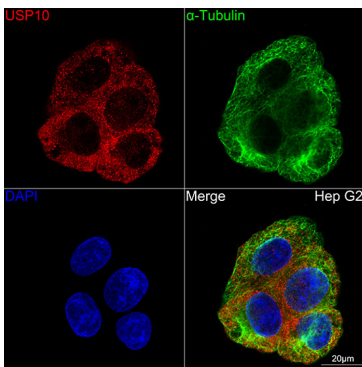
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

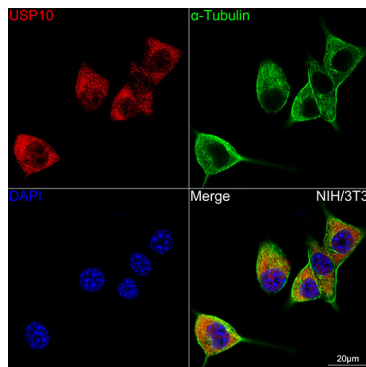
## Validation Data



Western blot analysis of various lysates using USP10 Rabbit mAb (A4454) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



Confocal imaging of Hep G2 cells using USP10 Rabbit mAb (A4454, at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using USP10 Rabbit mAb (A4454, at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.