

# Anti-USP2 Antibody

**CATALOG NO.:** A2146-100 (100 µg)

**BACKGROUND DESCRIPTION:** This gene encodes a member of the family of de-ubiquitinating enzymes, which belongs to the peptidase C19 superfamily. The encoded protein is a ubiquitin-specific protease that is required for TNF-alpha (tumor necrosis factor alpha) -induced NF-kB (nuclear factor kB) signaling. This protein deubiquitinates polyubiquitinated target proteins such as fatty acid synthase, murine double minute 2 (MDM2), MDM4/MDMX, and cyclin D1. MDM2 and MDM4 are negative regulators of the p53 tumor suppressor and cyclin D1 is required for cell cycle G1/S transition. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

**ALTERNATE NAMES:** 41 kDa ubiquitin specific protease, 41 kDa ubiquitin-specific protease, Deubiquitinating enzyme 2, Ubiquitin carboxyl terminal hydrolase 2, Ubiquitin carboxyl-terminal hydrolase 2, ubiquitin specific peptidase 2, Ubiquitin specific processing protease 2, Ubiquitin specific protease 12, Ubiquitin specific protease 9, Ubiquitin thioesterase 2, Ubiquitin-specific-processing protease, UBP-t, UBP2, UBP41, USP2, USP9

**ANTIBODY TYPE:** Monoclonal

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** Recombinant Human Ubiquitin carboxyl-terminal hydrolase 2 protein

**MOLECULAR WEIGHT:** 69 kDa

**PURIFICATION:** Protein G purified

**FORM:** Liquid

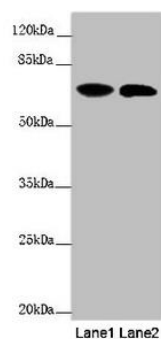
**FORMULATION:** In 0.01 M PBS, pH 7.4, 50% Glycerol, 0.03% proclin 300

**SPECIES REACTIVITY:** Human, Mouse

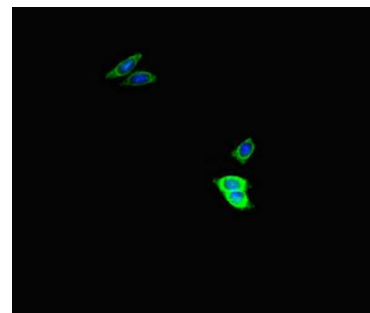
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze/thaw cycles.

**APPLICATIONS AND USAGE:** WB 1:1000-1:5000, IF 1:50-1:200

**This information is only intended as a guide. The optimal dilutions must be determined by the user**



Western blot analysis of mouse liver tissue and HeLa cell lysates using Anti-USP2 antibody at a concentration of 2 µg/ml. Goat polyclonal to rabbit IgG was used as secondary antibody at 1:10000 dilution.



Immunofluorescent analysis of HepG2 cells using Anti-USP2 antibody at a dilution of 1:100. Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L) was used as secondary antibody.

## RELATED PRODUCTS:

TRAF6 Antibody (3566R)

RIP Antibody (3279)

Anti-p53 Antibody (A1805)

USP3 Antibody (6142)

**FOR RESEARCH USE ONLY! Not to be used on humans.**