

USP15 Rabbit pAb

Catalog No.: A1476

1 Publications

Basic Information

Observed MW

112 kDa

Calculated MW

112 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the ubiquitin specific protease (USP) family of deubiquitinating enzymes. USP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The encoded protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2.

Recommended Dilutions

WB 1:1000 - 1:3000**IP** 0.5 µg - 4 µg antibody for
200 µg - 500 µg extracts
of whole cells**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-
ratio antibody dilutions
(≥1:10000) a sequential
dilution method is
strongly recommended
to ensure measurement
accuracy.

Immunogen Information

Gene ID

9958

Swiss Prot

Q9Y4E8

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

UNPH4; UNPH-2; USP15

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

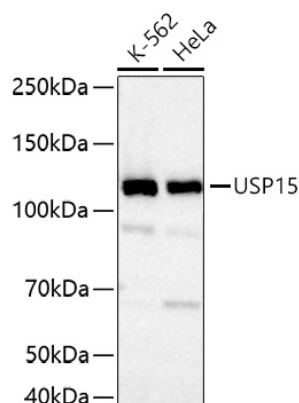
Contact

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Validation Data



Western blot analysis of various lysates using USP15 Rabbit pAb (A1476) at 1:3000 dilution incubated overnight at 4°C.

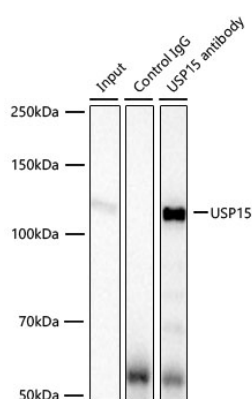
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

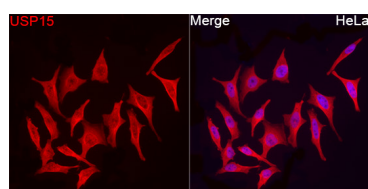
Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.

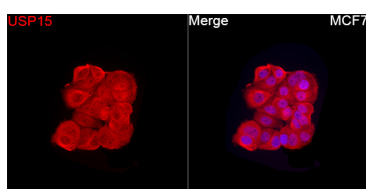


Immunoprecipitation of USP15 from 500 µg extracts of K-562 cells was performed using 1 µg of USP15 Rabbit pAb (A1476). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP

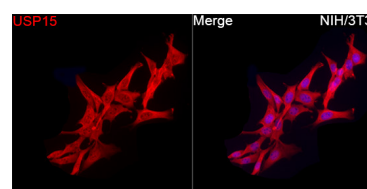
samples were eluted with 1x Laemmli Buffer. IP samples were eluted with. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using USP15 Rabbit pAb (A1476) at a dilution of 1:3000.



Immunofluorescence analysis of HeLa cells using USP15 Rabbit pAb (A1476) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF7 cells using USP15 Rabbit pAb (A1476) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using USP15 Rabbit pAb (A1476) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.