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USP8 Antibody (C-term C1072) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2056a

Specification

USP8 Antibody (C-term C1072) (Ascites) - Product Information

Application	**WB,E**
Primary Accession	P40818
Other Accession	Q80U87, NP_001122082.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**127523**
Antigen Region	**1-30**

USP8 Antibody (C-term C1072) (Ascites) - Additional Information

Gene ID 9101

Other Names
Ubiquitin carboxyl-terminal hydrolase 8, Deubiquitinating enzyme 8, Ubiquitin isopeptidase Y, hUBPy, Ubiquitin thioesterase 8, Ubiquitin-specific-processing protease 8, USP8, KIAA0055, UBPY

Target/Specificity
This USP8 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the C-terminal region of human USP8.

Dilution
WB~~1:500~4000

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
USP8 Antibody (C-term C1072) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

USP8 Antibody (C-term C1072) (Ascites) - Protein Information

Name USP8 (HGNC:12631)

Synonyms KIAA0055, UBPY

Function Hydrolase that can remove conjugated ubiquitin from proteins and therefore plays an important regulatory role at the level of protein turnover by preventing degradation. Converts both 'Lys-48' an 'Lys-63'-linked ubiquitin chains. Catalytic activity is enhanced in the M phase. Involved in cell proliferation. Required to enter into S phase in response to serum stimulation. May regulate T-cell anergy mediated by RNF128 via the formation of a complex containing RNF128 and OTUB1. Probably regulates the stability of STAM2 and RASGRF1. Regulates endosomal ubiquitin dynamics, cargo sorting, membrane traffic at early endosomes, and maintenance of ESCRT-0 stability. The level of protein ubiquitination on endosomes is essential for maintaining the morphology of the organelle. Deubiquitinates EPS15 and controls tyrosine kinase stability. Removes conjugated ubiquitin from EGFR thus regulating EGFR degradation and downstream MAPK signaling. Involved in acrosome biogenesis through interaction with the spermatid ESCRT-0 complex and microtubules. Deubiquitinates BIRC6/bruce and KIF23/MKLP1. Deubiquitinates BACE1 which inhibits BACE1 lysosomal degradation and modulates BACE-mediated APP cleavage and amyloid-beta formation (PubMed:27302062).

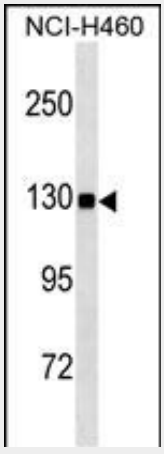
Cellular Location
Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q80U87} Endosome membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein

USP8 Antibody (C-term C1072) (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

USP8 Antibody (C-term C1072) (Ascites) - Images



USP8 Antibody (C1072) (Cat. #AM2056a) western blot analysis in NCI-H460 cell line lysates (35µg/lane).This demonstrates the USP8 antibody detected the USP8 protein (arrow).

USP8 Antibody (C-term C1072) (Ascites) - Background

Hydrolase that can remove conjugated ubiquitin from proteins and therefore plays an important

regulatory role at the level of protein turnover by preventing degradation. Converts both 'Lys-48' an 'Lys-63'-linked ubiquitin chains. Catalytic activity is enhanced in the M phase. Involved in cell proliferation. Required to enter into S phase in response to serum stimulation. May regulate T-cell anergy mediated by RNF128 via the formation of a complex containing RNF128 and OTUB1. Probably regulates the stability of STAM2 and RASGRF1. Regulates endosomal ubiquitin dynamics, cargo sorting, membrane traffic at early endosomes, and maintenance of ESCRT-0 stability. The level of protein ubiquitination on endosomes is essential for maintaining the morphology of the organelle. Deubiquitinates EPS15 and controles tyrosine kinase stability. Removes conjugated ubiquitin from EGFR thus regulating EGFR degradation and downstream MAPK signaling. Involved in acrosome biogenesis through interaction with the spermatid ESCRT-0 complex and microtubules.

USP8 Antibody (C-term C1072) (Ascites) - References

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