

Rabbit anti-Human UBPY/USP8 Polyclonal Antibody | anti-USP8 antibody

Anti-UBPY/USP8 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255867	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UBPY/USP8; Polyclonal Antibody; Anti-UBPY/USP8 Antibody; Rabbit Polyclonal; USP8 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquitin specific peptidase 8; Anti-HumORF8 Antibody; Anti-SPG59 Antibody; Anti-UBPY Antibody; anti-USP8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human USP8
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-USP8 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human USP8 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human USP8 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

USP8 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-USP8 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-USP8 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 128 kDa. Observed band size: 130 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human USP8 in human rectum with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human USP8 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-USP8 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 128 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-USP8 antibody

Ubiquitin-specific peptidase 8 (USP8) was originally identified as a growth regulated ubiquitin-specific protease and is like many other DUBs characterized by its multidomain architecture. Besides the catalytic domain, specific protein-protein interaction modules were characterized which contribute to USP8 substrate recruitment, regulation, and targeting to distinct protein complexes. USP8 is a regulator of endosomal sorting and vesicle morphology in cultured cells. In vivo USP8 has a role strongly associated with acrosome biogenesis and that the early endosome pathway is significantly involved in the process. "In vivo" USP8 is predominantly expressed in the central nervous system and testis, two organs with highly polarized cells. In neuronal cells, USP8 could be involved in endosomal trafficking, retrograde transport, and synaptic plasticity. In disorders leading to neurodegeneration, USP8 is upregulated and could influence the neuron-oligodendrocyte interactions.

References

Paiardi C, et al. (2014) The escrt-deubiquitinating enzyme usp8 in the cervical spinal cord of wild-type and vps54-recessive (wobbler) mutant mice. *Histochem Cell Biol* 141 (1): 57-73. Dufner A, et al. (2019) Ubiquitin-specific protease 8 (usp8/ubpy): A prototypic multidomain deubiquitinating enzyme with pleiotropic functions. *Biochem Soc Trans* 47 (6): 1867-1879. Berruti G, et al. (2010) Usp8, a regulator of endosomal sorting, is involved in mouse acrosome biogenesis through interaction with the spermatid escrt-0 complex and microtubules. *Biol Reprod* 82 (5): 930-939.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ubpy-usp8-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255867>