

Rabbit anti-Human UBLCP1 Polyclonal Antibody | anti-UBLCP1 antibody

Anti-UBLCP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256469	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UBLCP1; Polyclonal Antibody; Anti-UBLCP1 Antibody; Rabbit Polyclonal; UBLCP1 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquitin like domain containing CTD phosphatase 1; Anti-CPUB1 Antibody; anti-UBLCP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UBLCP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-UBLCP1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human UBLCP1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human UBLCP1 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)

UBLCP1 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate 4 uL anti-UBLCP1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-UBLCP1 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: 43 kDa. Observed band size: 43 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human UBLCP1 in human testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-UBLCP1 rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: K562 Whole Cell Lysate Lane D: U251MG 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: 37 kDa Observed band size: 43 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-UBLCP1 antibody

Ubiquitin-like domain-containing C-terminal domain phosphatase 1 (UBLCP1), an FCP/SCP phosphatase family member, was identified as the first proteasome phosphatase. UBLCP1 binds to proteasome subunit Rpn1 and dephosphorylates the proteasome in vitro. UBLCP1 is a 26S proteasome phosphatase that regulates nuclear proteasome activity. UBLCP1 has been implicated as a negative regulator of the proteasome, a key mediator in the ubiquitin-dependent protein degradation. UBLCP1 directly interacts with the proteasome via its UBL domain and is exclusively localized in the nucleus. UBLCP1 dephosphorylates the 26S proteasome and inhibits the proteasome activity in vitro. Knockdown of UBLCP1 in cells promotes 26S proteasome assembly and selectively enhances nuclear proteasome activity. Small molecule inhibitors that block UBLCP1 activity would be valuable as research tools and potential therapeutics for human diseases caused by the cellular accumulation of misfold/damaged proteins.

References

Sun S, et al. (2017) Phosphatase ublcp1 controls proteasome assembly. Open Biol 7 (5): 170042. He Y, et al. (2015) A potent and selective inhibitor for the ublcp1 proteasome phosphatase. Bioorg Med Chem 23 (12): 2798-2809. Guo X, et al. (2011) Ublcp1 is a 26s proteasome phosphatase that regulates nuclear proteasome activity. Proc Natl Acad Sci U S A 108 (46): 18649-18654.

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/ublcp1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256469>