

UBLCP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17480b**Specification**

UBLCP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8WVY7](#)**UBLCP1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 134510**Other Names**

Ubiquitin-like domain-containing CTD phosphatase 1, Nuclear proteasome inhibitor UBLCP1, UBLCP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UBLCP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** UBLCP1**Function**

Dephosphorylates 26S nuclear proteasomes, thereby decreasing their proteolytic activity (PubMed:21949367, PubMed:28539385). Recruited to the 19S regulatory particle of the 26S proteasome through its interaction with 19S component PSMD2/RPN1 (PubMed:28539385). Once recruited, dephosphorylates 19S component PSMC2/RPT1 which impairs PSMC2 ATPase activity and disrupts 26S proteasome assembly (PubMed:28539385). Has also been reported to stimulate the proteolytic activity of the 26S proteasome (PubMed:32071216).

Cellular Location

Nucleus Note=Colocalizes with nuclear proteasomes

Tissue Location

Broadly expressed, with highest levels in placenta, lung, testis and ovary. Up-regulated in tumor tissues

UBLCP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UBLCP1 Antibody (C-term) Blocking Peptide - Images**UBLCP1 Antibody (C-term) Blocking Peptide - Background**

UBLCP1 may specifically dephosphorylate 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit.

UBLCP1 Antibody (C-term) Blocking Peptide - References

Nair, R.P., et al. Nat. Genet. 41(2):199-204(2009) Zheng, H., et al. Biochem. Biophys. Res. Commun. 331(4):1401-1407(2005)