10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBLCP1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17480b

Specification

UBLCP1 Antibody (C-term) Blocking Peptide - Product Information

Primary 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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)