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UBLCP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17480b

Product Information

Application	WB, E
Primary Accession	Q8WVY7
Other Accession	Q5FWT7, Q8BGR9, Q2KJD7, NP_659486.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37512
Calculated MW	36805
Antigen Region	222-248

Additional Information

Gene ID	134510
Other Names	Ubiquitin-like domain-containing CTD phosphatase 1, Nuclear proteasome inhibitor UBLCP1, UBLCP1
Target/Specificity	This UBLCP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-248 amino acids from the C-terminal region of human UBLCP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	UBLCP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

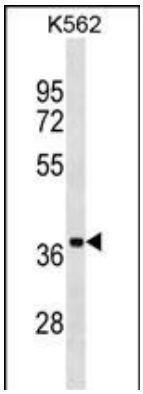
Background

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

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)

Images



UBLCP1 Antibody (C-term) (Cat. #AP17480b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the UBLCP1 antibody detected the UBLCP1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.