

Mouse Ublcp1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20225c

Product Information

Application	WB, E
Primary Accession	Q8BGR9
Other Accession	NP_077795.2
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42419
Calculated MW	36837
Antigen Region	102-128

Additional Information

Gene ID	79560
Other Names	Ubiquitin-like domain-containing CTD phosphatase 1, Nuclear proteasome inhibitor UBLCP1, Ublcp1
Target/Specificity	This Mouse Ublcp1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-128 amino acids from the Central region of mouse 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	Mouse Ublcp1 Antibody (Center) 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. Recruited to the 19S regulatory particle of the 26S

proteasome through its interaction with 19S component PSMD2/RPN1. Once recruited, dephosphorylates 19S component PSMC2/RPT1 which impairs PSMC2 ATPase activity and disrupts 26S proteasome assembly. Has also been reported to stimulate the proteolytic activity of the 26S proteasome.

Cellular Location

Nucleus {ECO:0000250 | UniProtKB:Q8WVY7}. Note=Colocalizes with nuclear proteasomes {ECO:0000250 | UniProtKB:Q8WVY7}

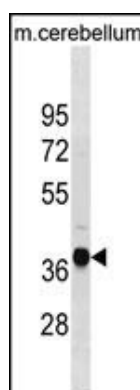
Background

May specifically dephosphorylate 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit (By similarity).

References

Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)
Sasaki, N., et al. Genomics 49(2):167-179(1998)

Images



MOUSE Ublcp1 Antibody (Center) (Cat. #AP20225c)
western blot analysis in mouse cerebellum tissue lysates
(35ug/lane). This demonstrates the MOUSE Ublcp1
antibody detected the MOUSE Ublcp1 protein (arrow).

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