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UBXN6 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5085b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BZV1
Other Accession	Q2KIJ6
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25657
Calculated MW	49754
Antigen Region	281-309

Additional Information

Gene ID	80700
Other Names	UBX domain-containing protein 6, UBX domain-containing protein 1, UBXN6, UBXD1, UBXDC2
Target/Specificity	This UBXN6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-309 amino acids from the C-terminal region of human UBXN6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	UBXN6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBXN6 (HGNC:14928)
Function	May negatively regulate the ATPase activity of VCP, an ATP- driven segregase that associates with different cofactors to control a wide variety of cellular

processes (PubMed:26475856). As a cofactor of VCP, it may play a role in the transport of CAV1 to lysosomes for degradation (PubMed:21822278, PubMed:23335559). It may also play a role in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins (PubMed:19275885). Together with VCP and other cofactors, it may play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes (PubMed:27753622).

Cellular Location Cytoplasm. Cytoplasm, cytosol. Membrane; Peripheral membrane protein. Nucleus Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Early endosome membrane; Peripheral membrane protein. Late endosome membrane; Peripheral membrane protein. Lysosome membrane; Peripheral membrane protein. Note=Localizes at the centrosome both in interphase and during mitosis (PubMed:18656546). May be recruited to endosomal and lysosomal membranes as part of a ternary complex with CAV1 and VCP (PubMed:21822278). Recruited to damaged lysosomes decorated with K48-linked ubiquitin chains (PubMed:27753622)

Tissue Location Enhanced expression in testis.

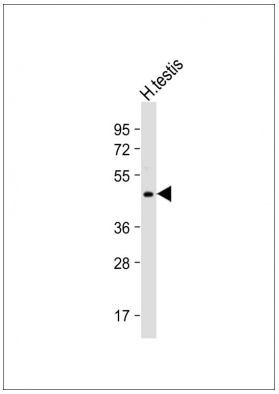
Background

UBXN6 acts in a complex with VCP and cooperates with USP7 in promoting MDM2 deubiquitination and stabilization. UBXN6 is MDM2 stabilization leads to MDM2-dependent TP53 degradation.

References

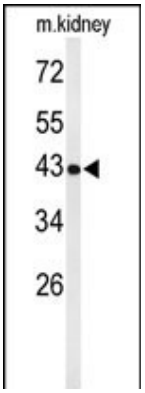
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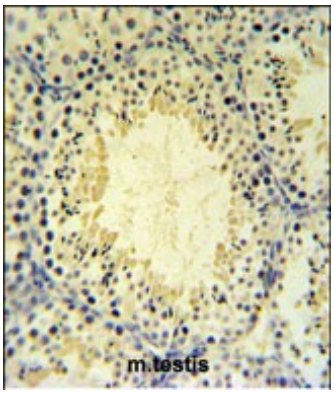
Images



Anti-UBXN6 Antibody (C-term) at 1:2000 dilution + Human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot analysis of UBXN6 Antibody (C-term) (Cat. #AP5085b) in mouse kidney tissue lysates (35ug/lane).UBXN6 (arrow) was detected using the purified Pab.





UBXN6 Antibody (C-term) (Cat. #AP5085b) IHC analysis in formalin fixed and paraffin embedded mouse testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the UBXN6 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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