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UBXN2A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11361b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P68543
Other Accession	NP_859064.2
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29060
Calculated MW	29278
Antigen Region	166-195

Additional Information

Gene ID	165324
Other Names	UBX domain-containing protein 2A, UBX domain-containing protein 4, UBXN2A, UBXD4
Target/Specificity	This UBXN2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-195 amino acids from the C-terminal region of human UBXN2A.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	UBXN2A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBXN2A (HGNC:27265)
Function	Acts to repress the ubiquitination and subsequent endoplasmic

reticulum-associated degradation of CHRNA3 by the STUB1-VCP-UBXN2A complex in cortical neurons (PubMed:26265139). Also acts to promote the translocation of CHRNA3 to the plasma membrane and subsequently increases plasma membrane acetylcholine-gated ion-channel activation (By similarity). Plays a role in the inhibition of STUB1-mediated TP53 degradation, via its interaction with HSPA9 which acts to inhibit TP53 binding to HSPA9 (PubMed:24625977, PubMed:26634371). Positively mediates the ubiquitination and proteosomal degradation of RICTOR, may thereby act as a negative regulator of the mTORC2 pathway (PubMed:37037900).

Cellular Location

Golgi apparatus {ECO:0000250|UniProtKB:Q99KJ0}. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q99KJ0}. Perikaryon {ECO:0000250|UniProtKB:Q99KJ0}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q99KJ0}. Nucleus Cytoplasm. Note=Expressed at the axon initial segment. {ECO:0000250|UniProtKB:Q99KJ0}

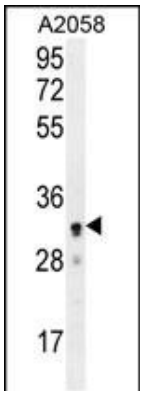
Tissue Location

Expressed in the colon (at protein level).

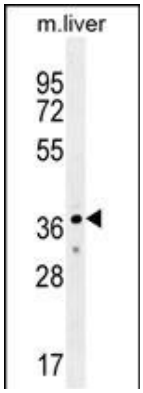
References

Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :

Images

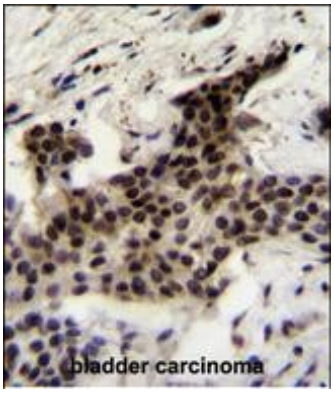


UBXN2A Antibody (C-term) (Cat. #AP11361b) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the UBXN2A antibody detected the UBXN2A protein (arrow).

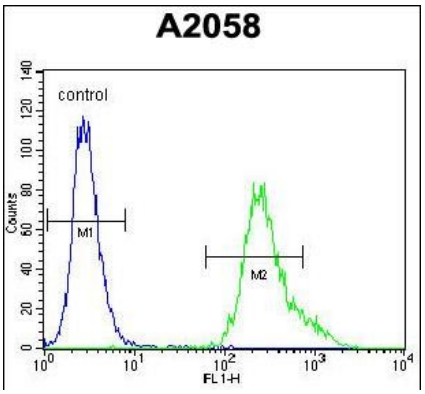


UBXN2A Antibody (C-term) (Cat. #AP11361b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the UBXN2A antibody detected the UBXN2A protein (arrow).

UBXN2A Antibody (C-term) (Cat. #AP11361b)immunohistochemistry analysis in formalin fixed and paraffin embedded human bladder carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UBXN2A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been



evaluated.



UBXN2A Antibody (C-term) (Cat. #AP11361b) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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