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UBAC2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5292a

Product Information

Application	WB, FC, E
Primary Accession	Q8NBM4
Other Accession	Q8R1K1, Q4R910, Q5ZJQ8
Reactivity	Human, Mouse
Predicted	Chicken, Monkey, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26383
Calculated MW	38964
Antigen Region	63-91

Additional Information

Gene ID	337867
Other Names	Ubiquitin-associated domain-containing protein 2, UBA domain-containing protein 2, Phosphoglycerate dehydrogenase-like protein 1, UBAC2, PHGDHL1
Target/Specificity	This UBAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-91 amino acids from the N-terminal region of human UBAC2.
Dilution	WB~~1:1000 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	UBAC2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

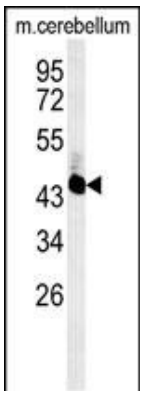
Name	UBAC2
Synonyms	PHGDHL1

Function	Acts as an ER-phagy receptor required for the selective autophagic degradation of endoplasmic reticulum (ER) fragments to maintain ER homeostasis and restrain ER stress-induced inflammatory responses (PubMed:39284914). Its function depends on phosphorylation- induced dimerization, which enhances interaction with GABARAP and facilitates recruitment of ER fragments to autophagosomes (PubMed:39284914). Restricts trafficking of FAF2 from the endoplasmic reticulum to lipid droplets (PubMed:23297223). In association with LMBR1L and E3 ubiquitin-protein ligase AMFR, negatively regulates the canonical Wnt signaling pathway in the lymphocytes by promoting the ubiquitin-mediated degradation of CTNNB1 and Wnt receptors FZD6 and LRP6 (PubMed:31073040).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein

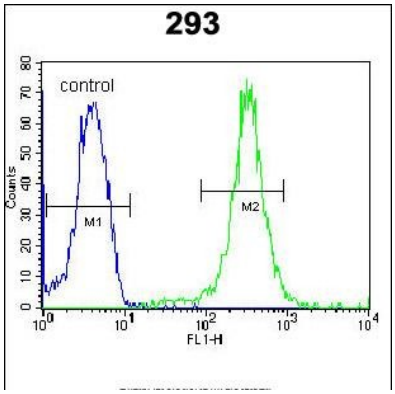
References

Dunham, A., et al. Nature 428(6982):522-528(2004)
Christian, S.L., et al. Genomics 79(5):635-656(2002)

Images



Western blot analysis of UBAC2 Antibody (N-term) (Cat. #AP5292a) in mouse cerebellum tissue lysates (35ug/lane).UBAC2 (arrow) was detected using the purified Pab.



UBAC2 Antibody (N-term) (Cat. #AP5292a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Identification of ERAD components essential for dislocation of the null Hong Kong variant of α-1-antitrypsin (NHK).

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