10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBAP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8828a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9NZ09
Other Accession	NP_057609
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23624
Calculated MW	55084
Antigen Region	6-33

Additional Information

Gene ID	51271
Other Names	Ubiquitin-associated protein 1, UBAP-1, Nasopharyngeal carcinoma-associated gene 20 protein, UBAP1
Target/Specificity	This UBAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-33 amino acids from the N-terminal region of human UBAP1.
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	UBAP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UBAP1 {ECO:0000303|PubMed:11599797, ECO:0000312|HGNC:HGNC:12461}

Function	Component of the ESCRT-I complex, a regulator of vesicular trafficking process (PubMed:21757351, PubMed:22405001, PubMed:31203368). Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs) (PubMed:21757351, PubMed:22405001). Plays a role in the proteasomal degradation of ubiquitinated cell-surface proteins, such as EGFR and BST2 (PubMed:22405001, PubMed:24284069, PubMed:31203368).
Cellular Location	Cytoplasm, cytosol. Endosome. Note=Predominantly cytosolic (PubMed:21757351). Recruited to endosomes as part of the ESCRT-I complex (PubMed:21757351).
Tissue Location	Ubiquitous. Highly expressed in heart, brain, placenta, lung, liver, skeletal muscle and pancreas

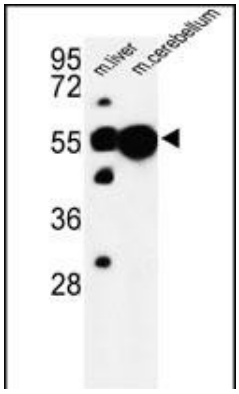
Background

UBAP1 is a member of the UBA domain family, whose members include proteins having connections to ubiquitin and the ubiquitination pathway. The ubiquitin associated domain is thought to be a non-covalent ubiquitin binding domain consisting of a compact three helix bundle. This particular protein riginates from a gene locus in a refined region on chromosome 9 undergoing loss of heterozygosity in nasopharyngeal carcinoma (NPC). Taking into account its cytogenetic location, this UBA domain family member is being studies as a putative target for mutation in nasopharyngeal carcinomas.

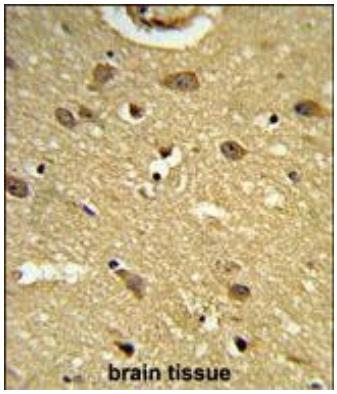
References

Qian,J., et.al., J. Cancer Res. Clin. Oncol. 127 (10), 613-618 (2001) Qian,J., et.al., Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao 33 (2), 147-152 (2001)

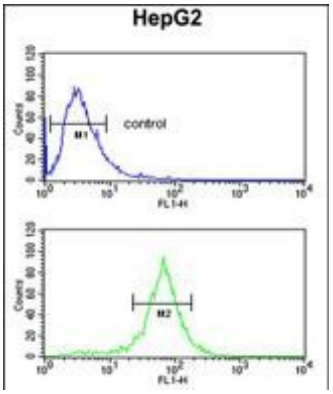
Images



Western blot analysis of UBAP1 Antibody (N-term) (Cat. #AP8828a) in mouse liver, cerebellum tissue lysates (35ug/lane). UBAP1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with UBAP1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



UBAP1 Antibody (N-term) (Cat. #AP8828a) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top 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'.