

UBAP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8828a**Specification**

UBAP1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O9NZ09](#)
Other Accession [NP_057609](#)

UBAP1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 51271

Other Names

Ubiquitin-associated protein 1, UBAP-1, Nasopharyngeal carcinoma-associated gene 20 protein, UBAP1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8828a](/products/AP8828a) was selected from the N-term region of human UBAP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UBAP1 Antibody (N-term) Blocking Peptide - 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](http://www.uniprot.org/citations/21757351), PubMed: [22405001](http://www.uniprot.org/citations/22405001), PubMed: [31203368](http://www.uniprot.org/citations/31203368)). Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs) (PubMed: [21757351](http://www.uniprot.org/citations/21757351), PubMed: [22405001](http://www.uniprot.org/citations/22405001)). Plays a role in the proteasomal degradation of ubiquitinated cell-surface proteins, such as EGFR and BST2 (PubMed: [22405001](http://www.uniprot.org/citations/22405001), PubMed: [22405001](http://www.uniprot.org/citations/22405001)).

href="http://www.uniprot.org/citations/24284069" target="_blank">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

UBAP1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

UBAP1 Antibody (N-term) Blocking Peptide - Images**UBAP1 Antibody (N-term) Blocking Peptide - 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 originates 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 studied as a putative target for mutation in nasopharyngeal carcinomas.

UBAP1 Antibody (N-term) Blocking Peptide - 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)