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

UBAC1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5353b

Specification

UBAC1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q9BSL1
Other Accession	NP_057256.2

UBAC1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10422

Other Names
Ubiquitin-associated domain-containing protein 1, UBA domain-containing protein 1, E3 ubiquitin-protein ligase subunit KPC2, Glialblastoma cell differentiation-related protein 1, Kip1 ubiquitination-promoting complex protein 2, UBAC1, GBDR1, KPC2, UBADC1

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.

UBAC1 Antibody (C-term) Blocking peptide - Protein Information

Name UBAC1

Function
Non-catalytic component of the KPC complex, a E3 ubiquitin- protein ligase complex that mediates polyubiquitination of target proteins, such as CDKN1B and NFKB1 (PubMed:15531880, PubMed:15746103, PubMed:16227581, PubMed:25860612). The KPC complex catalyzes polyubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (PubMed:15531880, PubMed:15746103). The KPC complex also acts as a key regulator of the NF-kappa-B signaling by promoting maturation of the NFKB1 component of NF-kappa-B by catalyzing ubiquitination of the NFKB1 p105 precursor (PubMed:25860612). Within the KPC complex, UBAC1 acts as an adapter that promotes the transfer of target proteins that have been polyubiquitinated by RNF123/KPC1 to the 26S proteasome (PubMed:<a

href="http://www.uniprot.org/citations/16227581" target="_blank">16227581).

Cellular Location
Cytoplasm

Tissue Location
Ubiquitous..

UBAC1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

UBAC1 Antibody (C-term) Blocking peptide - Images

UBAC1 Antibody (C-term) Blocking peptide - Background

UBAC1 belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein has two RRM domains that bind to RNAs.

UBAC1 Antibody (C-term) Blocking peptide - References

Walker, L.C., et al. Breast Cancer Res. Treat. 112(2):229-236(2008)Wu, Y.Y., et al. Cell Biochem. Funct. 26(4):467-477(2008)Reboll, M.R., et al. RNA 13(8):1328-1340(2007)