

Nac1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP1493b**Specification**

Nac1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q96RE7](#)**Nac1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 112939**Other Names**

Nucleus accumbens-associated protein 1, NAC-1, BTB/POZ domain-containing protein 14B, NACC1, BTBD14B, NAC1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1493b](/product/products/AP1493b) was selected from the C-term region of human BTBD14B. 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.

Nac1 Antibody (C-term) Blocking peptide - Protein Information**Name** NACC1**Synonyms** BTBD14B, NAC1**Function**

Functions as a transcriptional repressor. Seems to function as a transcriptional corepressor in neuronal cells through recruitment of HDAC3 and HDAC4. Contributes to tumor progression, and tumor cell proliferation and survival. This may be mediated at least in part through repressing transcriptional activity of GADD45GIP1. Required for recruiting the proteasome from the nucleus to the cytoplasm and dendritic spines.

Cellular Location

Nucleus. Cytoplasm. Note=Distribution in the cytoplasm is dependent on phosphorylation.

Tissue Location

Overexpressed in several types of carcinomas including ovarian serous carcinomas. Expression levels positively correlate with tumor recurrence in ovarian serous carcinomas, and intense immunoreactivity in primary ovarian tumors predicts early recurrence. Up-regulated in ovarian carcinomas after chemotherapy, suggesting a role in development of chemotherapy resistance in ovarian cancer.

Nac1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Nac1 Antibody (C-term) Blocking peptide - Images**Nac1 Antibody (C-term) Blocking peptide - Background**

BTBD14B functions as a transcriptional corepressor in neuronal cells through recruitment of HDAC3 and HDAC4. In humans the protein is upregulated in a number of carcinomas and is localized in discrete nuclear bodies that correlate with tumour recurrence.

Nac1 Antibody (C-term) Blocking peptide - References

Nakayama,K., Cancer Res. 67 (17), 8058-8064 (2007)Davidson,B., Hum. Pathol. 38 (7), 1030-1036 (2007)Nakayama,K., Proc. Natl. Acad. Sci. U.S.A. 103 (49), 18739-18744 (2006)