10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

NACC1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21107a

Specification

NACC1 Blocking Peptide (C-term) - Product Information

Primary Accession	Q96RE7
Other Accession	O35260, Q7TSZ8

NACC1 Blocking Peptide (C-term) - 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 is selected from aa 355-370 of HUMAN NACC1

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.

NACC1 Blocking Peptide (C-term) - Protein Information

Name NACC1

Synonyms BTBD14B, NAC1

Function
Functions as a transcriptional repressor. Seems to function as a transcriptional

NACC1 Blocking Peptide (C-term) - Background

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.

NACC1 Blocking Peptide (C-term) - References

Cha X.Y.,et al.Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
Nakayama K.,et al.Proc. Natl. Acad. Sci. U.S.A. 103:18739-18744(2006).
Nakayama K.,et al.Cancer Res. 67:8058-8064(2007).
Davidson B.,et al.Hum. Pathol. 38:1030-1036(2007).
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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.

NACC1 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides