

NACC1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21031a**Specification**

NACC1 Blocking Peptide (Center) - Product InformationPrimary Accession [Q96RE7](#)**NACC1 Blocking Peptide (Center) - 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 324-338 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 (Center) - 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.

NACC1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

NACC1 Blocking Peptide (Center) - Images

NACC1 Blocking Peptide (Center) - Background

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NACC1 Blocking Peptide (Center) - 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).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).