

NACC1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21031a

Product Information

Application WB, E Primary Accession Q96RE7

Reactivity Human, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB51582Calculated MW57258

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 This NACC1 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 324-358 amino acids from the Central

region of human NACC1.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions NACC1 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

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.

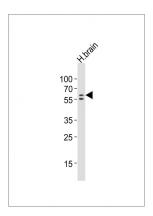
Background

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.

References

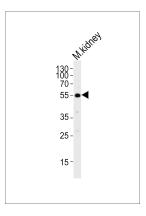
Cha X.Y.,et al.Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases. Nakayama K.,et al.Proc. Natl. Acad. Sci. U.S.A. 103:18739-18744(2006). Nakayama K.,et al.Cancer Res. 67:8058-8064(2007). Davidson B.,et al.Hum. Pathol. 38:1030-1036(2007). Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images



Anti-NACC1 Antibody (Center)at 1:1000 dilution + human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot analysis of lysate from mouse kidney tissue, using NACC1 Antibody (Center)(Cat. #AP21031a). AP21031a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.