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NACC1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21107a

Product Information

Application	WB, E
Primary Accession	Q96RE7
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51581
Calculated MW	57258

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 355-390 amino acids from the C-terminal 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 (C-term) 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.

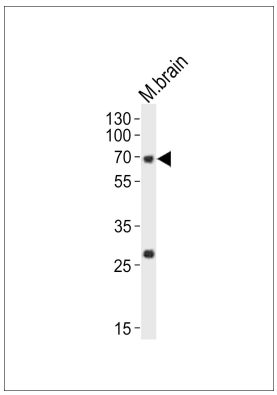
Background

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).
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Images



Western blot analysis of lysate from mouse brain tissue lysate, using NACC1 Antibody (C-term)(Cat. #AP21107a). AP21107a 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'.