

## 35-1820: Polyclonal Antibody to NAC1

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Rat,Mouse,Human
<b>Gene :</b>	NACC1
<b>Gene ID :</b>	112939
<b>Uniprot ID :</b>	Q96RE7
<b>Format :</b>	Purified
<b>Alternative Name :</b>	BEND8, NACC1, NAC-1, BTBD14B, FLJ37383
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.519~523(A-G-P-S-A) derived from Human NAC1

### Description

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. "A BTB/POZ protein, NAC-1, is related to tumor recurrence and is essential for tumor growth and survival." Nakayama K., Nakayama N., Davidson B., et al. Proc. Natl. Acad. Sci. U.S.A. 103:18739-18744(2006) "NAC-1 controls cell growth and survival by repressing transcription of Gadd45GIP1, a candidate tumor suppressor.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 62kd, Western blotting: 1:500~1:1000

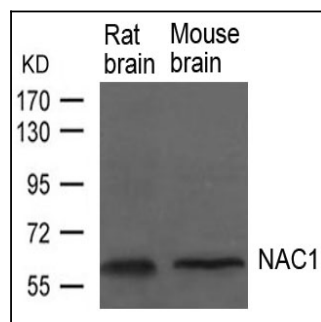


Figure 1: Western blot analysis of extracts from Rat and Mouse brain tissue using NAC1 Antibody 35-1820 .