

For Research Use Only

# NAC1 Recombinant antibody, PBS Only

Catalog Number: 85380-2-PBS



## Basic Information

<b>Catalog Number:</b> 85380-2-PBS	<b>GenBank Accession Number:</b> BC055396	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 112939	<b>CloneNo.:</b> 242788E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96RE7	
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleus accumbens associated 1, BEN and BTB (POZ) domain containing	
<b>Immunogen Catalog Number:</b> AG6096	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 60-65 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

NAC1, also named as BTBD14B and NACC1, belongs to the BTB/POZ family. NACC1 is a transcriptional repressor, which is amplified and overexpressed in various human cancers and plays critical roles in tumor development, progression, and drug resistance (PMID: 31101655). While NAC1 has been shown to repress the transcription of two tumor suppressors, Gadd45-g and Gadd45-g-interacting protein 1, scientists have found that NACC1 also plays an important role in nontranscriptional function, for example, it can act as a bridge for MAVS and TBK1 in RLR-mediated signaling (PMID: 31235549). The observed molecular weight is consistent with what has been described in the literature (PMID: 37533751).

## Storage

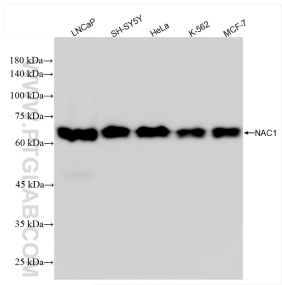
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

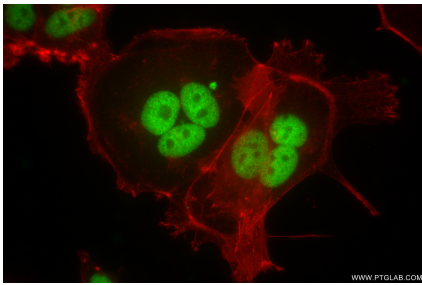
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

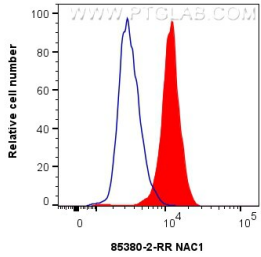
Selected Validation Data



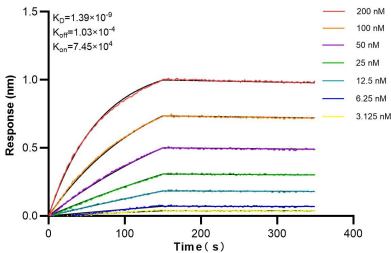
Various lysates were subjected to SDS PAGE followed by western blot with 85380-2-RR (NAC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85380-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NAC1 antibody (85380-2-RR, Clone: 242788E11 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85380-2-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug NAC1 Recombinant antibody (85380-2-RR, Clone:242788E11) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 85380-2-PBS in a



Biolayer interferometry (BLI) kinetic assays of 85380-2-RR against Human NAC1 were performed. The affinity constant is 1.39 nM.