

For Research Use Only

NAC1 Recombinant antibody

Catalog Number: 85380-2-RR



Basic Information

Catalog Number: 85380-2-RR	GenBank Accession Number: BC055396	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 112939	CloneNo.: 242788E11
Source: Rabbit	UNIPROT ID: Q96RE7	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: nucleus accumbens associated 1, BEN and BTB (POZ) domain containing	
Immunogen Catalog Number: AG6096	Calculated MW: 57 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : LNCaP cells, SH-SY5Y cells, HeLa cells, K-562 cells, MCF-7 cells IF/ICC : MCF-7 cells, SH-SY5Y cells

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

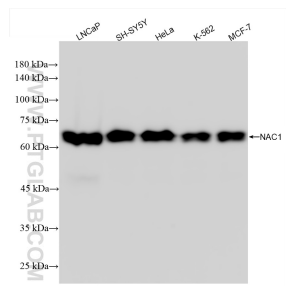
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

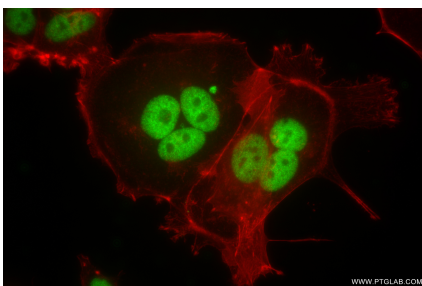
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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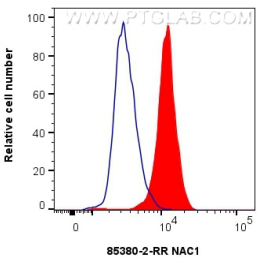
Selected Validation Data



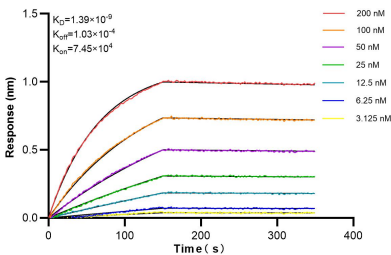
Various lysates were subjected to SDS PAGE followed by western blot with 85380-2-RR (NAC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10⁶ 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).



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