

For Research Use Only

NAC1 Recombinant antibody

Catalog Number: 85380-2-RR



Basic Information

Catalog Number:

85380-2-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6096

GenBank Accession Number:

BC055396

GeneID (NCBI):

112939

UNIPROT ID:

Q96RE7

Full Name:

nucleus accumbens associated 1, BEN and BTB (POZ) domain containing

Calculated MW:

57 kDa

Observed MW:

60-65 kDa

Purification Method:

Protein A purification

CloneNo.:

242788E11

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

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

For technical support and original validation data for this product please contact:

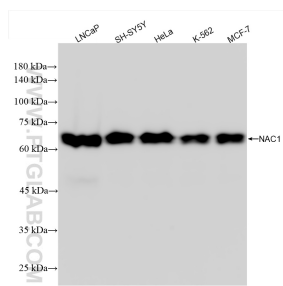
T: 4006900926

E: Proteintech-CN@ptglab.com

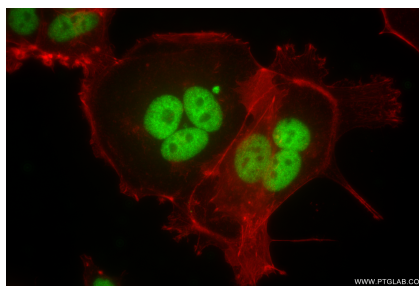
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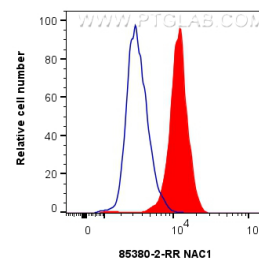
Selected Validation Data



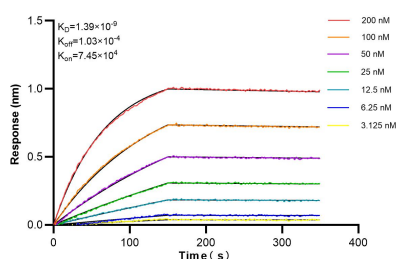
Various lysates were subjected to SDS PAGE followed by western blot with 85380-2-RR (NAC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.