

For Research Use Only

NAC1 Recombinant antibody, PBS Only

Catalog Number: 85380-2-PBS



Basic Information

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|-------------------------------------|--|--|
| Catalog Number: 85380-2-PBS | GenBank Accession Number: BC055396 | Purification Method: Protein A purification |
| Concentration: 1000 µg/ml | GeneID (NCBI): 112939 | CloneNo.: 242788E11 |
| Source: Rabbit | UNIPROT ID: Q96RE7 | |
| 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), 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

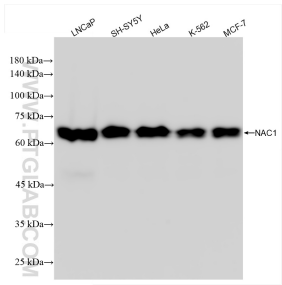
T: 4006900926

E: Proteintech-CN@ptglab.com

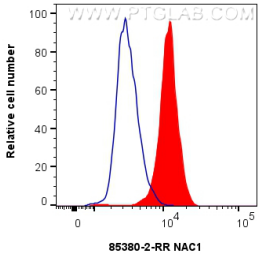
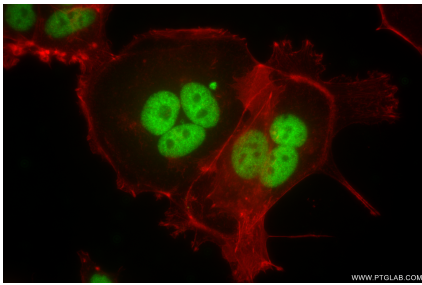
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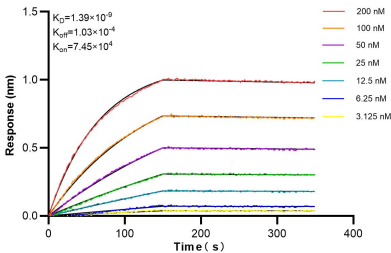
Selected Validation Data



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. This data was developed using the same antibody clone with 85380-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85380-2-PBS in a different storage buffer



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