

For Research Use Only

NAC1 Polyclonal antibody

Catalog Number: 14551-1-AP

3 Publications



Basic Information

Catalog Number:

14551-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB: LNCaP cells, MCF-7 cells

IP: MCF-7 cells,

IHC: mouse ovary tissue, human ovary tumor tissue

IF/ICC: MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

NACC1, also named as BTBD14B and NAC1, 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). NACC1 has 1 isoform with the molecular mass of 57 kDa. While NACC1 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Hong-Fang Tao	33416160	Oncol Rep	WB
Yunzhao Luo	37747641	Genes Genomics	WB
Bin Xu	37577235	J Clin Transl Hepatol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

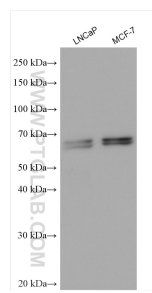
For technical support and original validation data for this product please contact:

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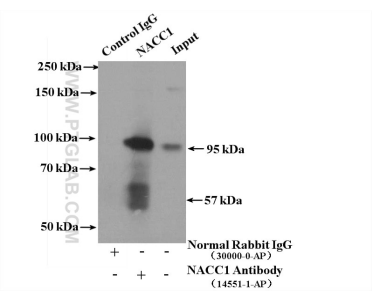
E: proteintech@ptglab.com
W: ptglab.com

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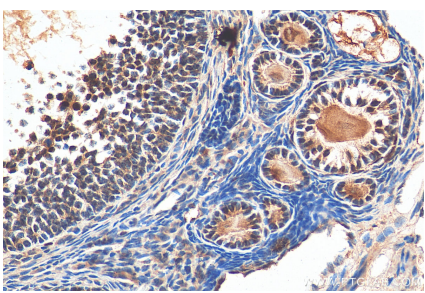
Selected Validation Data



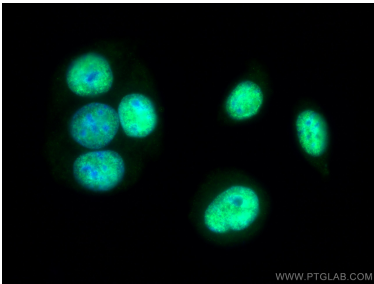
Various lysates were subjected to SDS PAGE followed by western blot with 14551-1-AP (NAC1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-NAC1 (IP:14551-1-AP, 4ug; Detection:14551-1-AP 1:300) with MCF-7 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 14551-1-AP (NAC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using NAC1 antibody (14551-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).