

For Research Use Only

NACC1 Polyclonal antibody

Catalog Number: 14551-1-AP **3 Publications**



Basic Information

Catalog Number: 14551-1-AP	GenBank Accession Number: BC055396	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 112939	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q96RE7	IHC 1:50-1:500 IF/ICC 1:200-1:800
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 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	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,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

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 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).

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

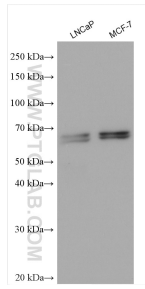
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

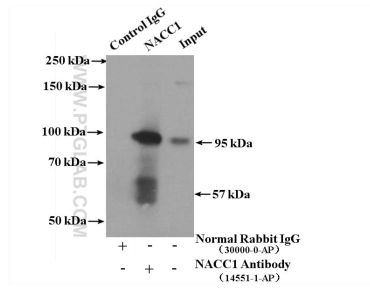
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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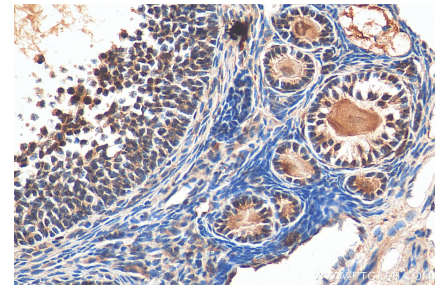
Selected Validation Data



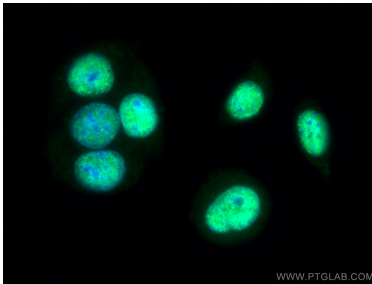
Various lysates were subjected to SDS PAGE followed by western blot with 14551-1-AP (NACC1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-NACC1 (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 (NACC1 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 NACC1 antibody (14551-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).