

## NFIC Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16052c

### Product Information

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<b>Application</b>	IF, WB, E
<b>Primary Accession</b>	<a href="#">P08651</a>
<b>Other Accession</b>	<a href="#">NP_995315.1</a> , <a href="#">NP_005588.2</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	55675
<b>Antigen Region</b>	180-208

### Additional Information

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<b>Gene ID</b>	4782
<b>Other Names</b>	Nuclear factor 1 C-type, NF1-C, Nuclear factor 1/C, CCAAT-box-binding transcription factor, CTF, Nuclear factor I/C, NF-I/C, NFI-C, TGGCA-binding protein, NFIC, NFI
<b>Target/Specificity</b>	This NFIC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-208 amino acids from the Central region of human NFIC.
<b>Dilution</b>	IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	NFIC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	NFIC
<b>Synonyms</b>	NFI
<b>Function</b>	Recognizes and binds the palindromic sequence 5'- TTGGCNNNNNGCCAA-3'

present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.

#### Cellular Location

Nucleus.

## Background

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NFIC recognizes and binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.

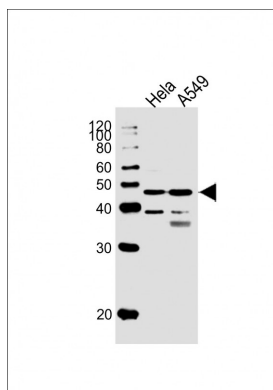
## References

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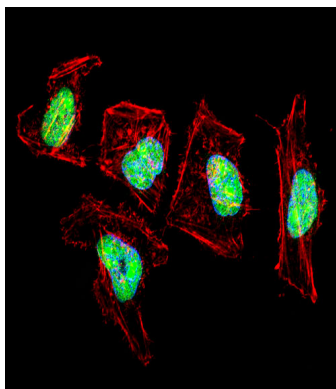
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Nilsson, J., et al. Cancer Res. 70(5):2020-2029(2010)  
Udelhoven, M., et al. J. Mol. Endocrinol. 44(2):99-113(2010)  
Plasari, G., et al. Mol. Cell. Biol. 29(22):6006-6017(2009)  
Riffel, A.K., et al. Mol. Pharmacol. 76(5):1104-1114(2009)

## Images

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All lanes : Anti-NFIC Antibody (Center) at 1:1000 dilution  
Lane 1: HeLa whole cell lysates Lane 2: A549 whole cell lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 56 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



Fluorescent confocal image of HeLa cell stained with NFIC Antibody (Center)(Cat#AP16052c). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NFIC primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). NFIC immunoreactivity is localized to nucleus significantly.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.