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NFIC Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16052c

Product Information

Application	IF, WB, E
Primary Accession	P08651
Other Accession	NP_995315.1, NP_005588.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55675
Antigen Region	180-208

Additional Information

Gene ID	4782
Other Names	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
Target/Specificity	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.
Dilution	IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	NFIC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NFIC
Synonyms	NFI

Function	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. Promotes telomerase reverse transcriptase transcription (PubMed:35198878).
Cellular Location	Nucleus.

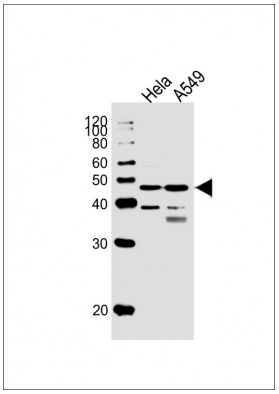
Background

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.

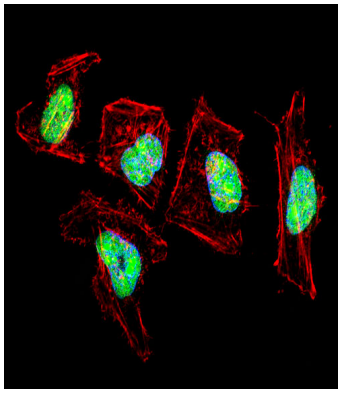
References

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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



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'.