

**NFIA Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14133b**

**Specification**

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**NFIA Antibody (C-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">Q12857</a>
Other Accession	<a href="#">P09414</a> , <a href="#">Q02780</a> , <a href="#">P17923</a> , <a href="#">NP_001138983.1</a> , <a href="#">NP_001138984.1</a> , <a href="#">NP_005586.1</a>
Reactivity	Human
Predicted	Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55944
Antigen Region	470-498

**NFIA Antibody (C-term) - Additional Information**

**Gene ID** 4774

**Other Names**

Nuclear factor 1 A-type, NF1-A, Nuclear factor 1/A, CCAAT-box-binding transcription factor, CTF, Nuclear factor I/A, NF-I/A, NFI-A, TGGCA-binding protein, NFIA, KIAA1439

**Target/Specificity**

This NFIA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 470-498 amino acids from the C-terminal region of human NFIA.

**Dilution**

IF~~1:10~50  
WB~~1:1000

**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**

NFIA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NFIA Antibody (C-term) - Protein Information**

**Name** NFIA

**Synonyms** KIAA1439

**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.

**Cellular Location**

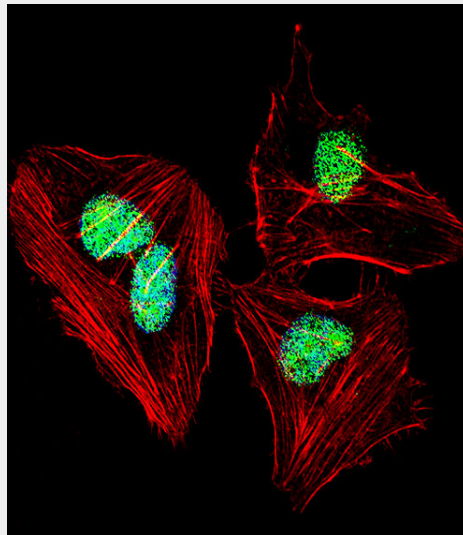
Nucleus.

### NFIA Antibody (C-term) - Protocols

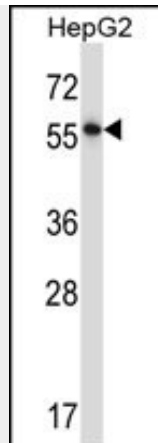
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NFIA Antibody (C-term) - Images



Fluorescent confocal image of HeLa cell stained with NFIA Antibody (C-term)(Cat#AP14133b). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NFIA 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 (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). NFIA immunoreactivity is localized to Nucleus significantly.



NFIA Antibody (C-term) (Cat. #AP14133b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the NFIA antibody detected the NFIA protein (arrow).

#### **NFIA Antibody (C-term) - Background**

Nuclear factor I (NFI) proteins constitute a family of dimeric DNA-binding proteins with similar, and possibly identical, DNA-binding specificity. They function as cellular transcription factors and as replication factors for adenovirus DNA replication. Diversity in this protein family is generated by multiple genes, differential splicing, and heterodimerization.

#### **NFIA Antibody (C-term) - References**

Bailey, S.D., et al. *Diabetes Care* 33(10):2250-2253(2010)  
Rose, J.E., et al. *Mol. Med.* 16 (7-8), 247-253 (2010) :  
Dubois, P.C., et al. *Nat. Genet.* 42(4):295-302(2010)  
Talmud, P.J., et al. *Am. J. Hum. Genet.* 85(5):628-642(2009)  
Starnes, L.M., et al. *Blood* 114(9):1753-1763(2009)