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NFIA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14133b

Specification

NFIA Antibody (C-term) - Product Information

Application	**WB, IF,E**
Primary Accession	Q12857
Other Accession	P09414, Q02780, P17923, NP_001138983.1, NP_001138984.1, NP_005586.1
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
WB~~1:1000
IF~~1:10~50
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
NFIA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NFIA Antibody (C-term) - Protein Information

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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.

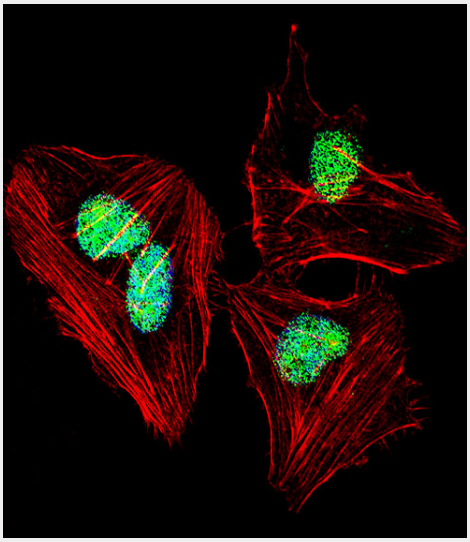
Cellular Location
Nucleus.

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 Cytomety
- 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℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). NFIA immunoreactivity is localized to Nucleus significantly.

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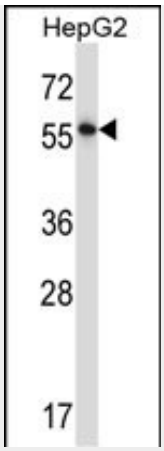

NFIA Antibody (C-term) (Cat. #AP14133b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the NFIA antibody detected the NFIA protein (arrow).

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)