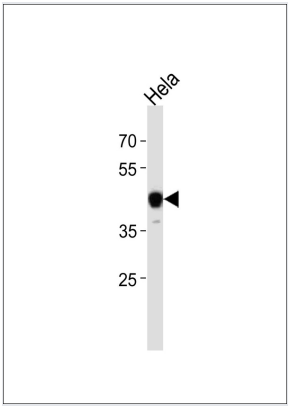
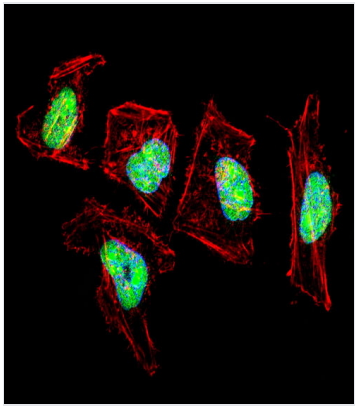
NFIC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NFIC, Polyclonal Antibody
Full Product Name	NFIC, ID (NFIC, NFI, Nuclear factor 1 C-type, CCAAT-box-binding transcription factor, Nuclear factor I/C, TGGCA-binding protein)
Product Gene Name	anti-NFIC antibody
Product Synonym Names	Anti -NFIC, ID (NFIC, NFI, Nuclear factor 1 C-type, CCAAT-box-binding transcription factor, Nuclear factor I/C, TGGCA-binding protein)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	54,654 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (3359561..3469215). Location: 19p13.3
3D Structure	ModBase 3D Structure for Q6FI30
Immunogen	NFIC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-208 amino acids from the Central region of human NFIC.
Product Categories/Family for anti-NFIC antibody	Antibodies; Abs to Transcription Factors
Applications Tested/Suitable for anti-NFIC antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-NFIC antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-NFIC antibody	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.
Other Notes	Small volumes of anti-NFIC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NFIC purchase	MBS6007158 is an antibody targeting NFIC. Also known as NFIC, ID (NFIC, NFI, Nuclear factor 1 C-type, CCAAT-box-binding transcription factor, Nuclear factor I/C, TGGCA-binding protein). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NFIC antibody
NFIC Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the NFIC antibody detected the NFIC protein (arrow).



Immunofluorescence (IF) of anti-NFIC antibody
Fluorescent confocal image of Hela cell stained with NFIC Antibody (Center). 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?). 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). NFIC immunoreactivity is localized to nucleus significantly.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NFIC. It may not necessarily be applicable to this product.

NCBI GI #	49168500
NCBI GeneID	4782
NCBI Accession #	CAG38745.1
UniProt Primary Accession #	Q6FI30
UniProt Related Accession #	P08651
NCBI Official Full Name	NFIC
NCBI Official Synonym Full Names	nuclear factor I/C (CCAAT-binding transcription factor)
NCBI Official Symbol	NFIC
NCBI Official Synonym Symbols	CTF; NFI; CTF5; NF-I
UniProt Protein Name	Nuclear factor 1
Protein Family	Nuclear factor
UniProt Gene Name	NFIC
UniProt Entry Name	Q6FI30_HUMAN
NCBI Protein Information	nuclear factor 1 C-type; NF1-C; NF-I/C; TGGCA-binding protein; CCAAT-box-binding transcription factor
NCBI Summary for NFIC	The protein encoded by this gene belongs to the CTF/NF-I family. These are dimeric DNA-binding proteins, and function as cellular transcription factors and as replication factors for adenovirus DNA replication. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

UniProt Comments for NFIC	NFI-C: 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. Belongs to the CTF/NF-I family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: nucleoplasm; nucleolus; nucleus Molecular Function: double-stranded DNA binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription from RNA polymerase II promoter; DNA replication; odontogenesis of dentine-containing teeth
Research Articles on NFIC	**1.** the influence of i3T3 on the expression and DNA binding of NFI, another TF important for cell proliferation and cell cycle progression
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/nfic/6007158