NFIC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NFIC/CTF, Polyclonal Antibody
Full Product Name	Anti-NFIC/CTF Antibody
Product Gene Name	anti-NFIC antibody
Product Synonym 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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Purity/Purification	Immunogen affinity purified.
Specificity	No cross reactivity with other proteins.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.
OMIM	X12492 mRNA
3D Structure	ModBase 3D Structure for P08651
Immunogen	E Coli-derived human NFIC/CTF recombinant protein (Position: D215-G508).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-NFIC antibody	Western Blot (WB), Direct ELISA (EIA)
Application Notes for anti-NFIC antibody	WB: 0.25-0.5ug/ml (Human, Mouse, Rat) Direct ELISA: 0.1-0.5ug/ml (Human) Tested Species: In-house tested species with positive results.
Related Product Information for anti-NFIC antibody	Description: Rabbit IgG polyclonal antibody for NFIC/CTF detection. Tested with WB, Direct ELISA in Human; Mouse; Rat. Background: Nuclear factor 1 C-type is a protein that in humans is encoded by the NFIC gene. It is mapped to 19p13.3. 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.

Product References and Citations for anti-NFIC antibody	1. Grunder, A., Qian, F., Ebel, T. T., Mincheva, A., Lichter, P., Kruse, U., Sippel, A. E. Genomic organization, splice products and mouse chromosomal localization of genes for transcription factor nuclear factor one. Gene 304: 171-181, 2003. 2. Qian, F., Kruse, U., Lichter, P., Sippel, A. E. Chromosomal localization of the four genes (NFIA, B, C, and X) for the human transcription factor nuclear factor I by FISH. Genomics 28: 66-73, 1995. 3. Steele-Perkins, G., Butz, K. G., Lyons, G. E., Zeichner-David, M., Kim, H.-J., Cho, M.-I., Gronostajski, R. M. Essential role for NFI-C/CTF transcription-replication factor in tooth root development. Molec. Cell. Biol. 23: 1075-1084, 2003.
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	MBS1753101 is an antibody targeting NFIC. Also known as Anti-NFIC/CTF Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	350529396
NCBI GeneID	4782
NCBI Accession #	NP_001231931.1
UniProt Primary Accession #	P08651
UniProt Related Accession #	P08651
GenBank Nucleotide #	NP_001231931.1
NCBI Official Full Name	nuclear factor 1 C-type isoform 1
NCBI Official Synonym Full Names	nuclear factor I C
NCBI Official Symbol	NFIC
NCBI Official Synonym Symbols	CTF; NFI; CTF5; NF-I
UniProt Protein Name	Nuclear factor 1 C-type
UniProt Synonym Protein Names	CCAAT-box-binding transcription factor; CTF; Nuclear factor I/C; NF-I/C; NFI-C; TGGCA-binding protein
Protein Family	Nuclear factor
UniProt Gene Name	NFIC
UniProt Synonym Gene Names	NFI; NF1-C; Nuclear factor 1/C; CTF; NF-I/C; NFI-C
NCBI Protein Information	nuclear factor 1 C-type
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: nucleolus; nucleus Molecular Function: transcription factor activity Biological Process: negative regulation of transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter
Research Articles on NFIC	**1.** Genome-wide significant (GWS) associations in single-nucleotide polymorphism (SNP)-based tests (P < 5 x 10(-8)) were identified for the interaction of the (apolipoprotein E) APOE epsilon4 allele with NFIC SNP.
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