

For Research Use Only

# NFIC Monoclonal antibody

Catalog Number: 68318-1-Ig



## Basic Information

<b>Catalog Number:</b> 68318-1-Ig	<b>GenBank Accession Number:</b> BC012120	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4782	<b>CloneNo.:</b> 1A11A5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P08651	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> nuclear factor I/C (CCAAT-binding transcription factor)	
<b>Immunogen Catalog Number:</b> AG9472	<b>Calculated MW:</b> 428aa,48 kDa; 508aa,57 kDa	
	<b>Observed MW:</b> 50-56 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), ELISA

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**  
WB : HSC-T6 cells, Saos-2 cells, U2OS cells, LNCaP cells, HeLa cells, NIH/3T3 cells, 4T1 cells

## Background Information

NFIC, also named as Nuclear factor 1 C-type, is a 508 amino acid protein, which contains 1 CTF/NF-I DNA-binding domain and belongs to the CTF/NF-I family. NFIC localizes in the nucleus and recognizes and binds the palindromic sequence 5'-TTGGCNNNNGCCAA-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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

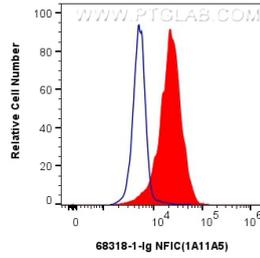
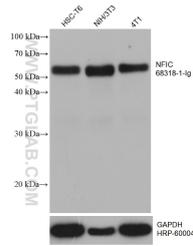
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68318-1-ig (NFIC antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.

1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug NFIC Monoclonal antibody (68318-1-ig, Clone:1A11A5) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG2b isotype control Mouse McAb (66360-3-ig, Clone: 11B8C4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).