

For Research Use Only

NFIC Monoclonal antibody

Catalog Number: 68318-1-Ig



Basic Information

Catalog Number:

68318-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG9472

GenBank Accession Number:

BC012120

GeneID (NCBI):

4782

UNIPROT ID:

P08651

Full Name:

nuclear factor I/C (CCAAT-binding transcription factor)

Calculated MW:

428aa, 48 kDa; 508aa, 57 kDa

Observed MW:

50-56 kDa

Purification Method:

Protein A purification

CloneNo.:

1A11A5

Recommended Dilutions:

WB 1:5000-1:50000

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

For technical support and original validation data for this product please contact:

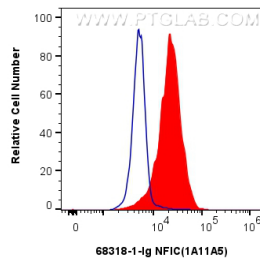
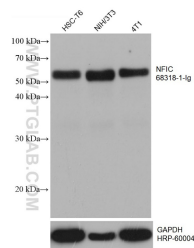
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Selected Validation Data



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.

1×10^6 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).