

For Research Use Only

# NFIC Polyclonal antibody

Catalog Number: 16399-1-AP

6 Publications



## Basic Information

### Catalog Number:

16399-1-AP

### Size:

350 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9494

### 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:

56 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, bovine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: PC-3 cells, mouse brain tissue

IP: HeLa cells,

IHC: human liver cancer tissue,

IF/ICC: PC-3 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'-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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rui Sheng	32936965	J Bone Miner Res	WB, IHC
G Li	29195058	J Dent Res	IHC
Shuang Jiang	33686052	Int J Oral Sci	WB, IHC, IP

## 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:

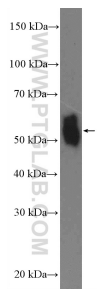
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

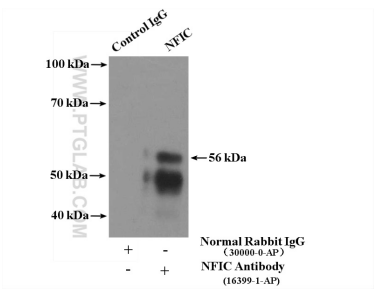
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



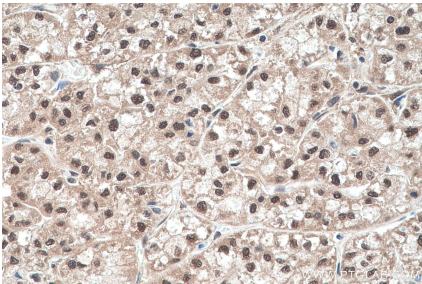
PC-3 cells were subjected to SDS PAGE followed by western blot with 16399-1-AP (NFIC Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-NFIC (IP:16399-1-AP, 4ug; Detection:16399-1-AP 1:1000) with HeLa cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16399-1-AP (NFIC antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16399-1-AP (NFIC antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using NFIC antibody (16399-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).