

For Research Use Only

NFIC Polyclonal antibody

Catalog Number: 16399-1-AP

6 Publications



Basic Information

Catalog Number:

16399-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

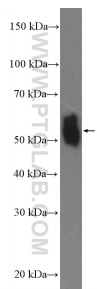
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

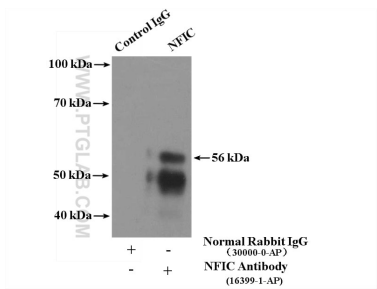
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



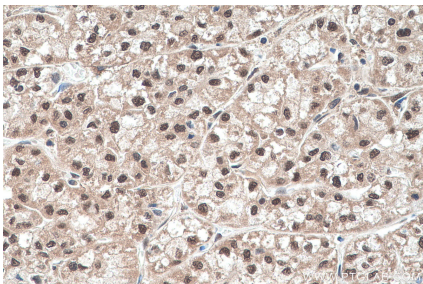
PC-3 cells were subjected to SDS PAGE followed by western blot with 16399-1-AP (NFIC Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



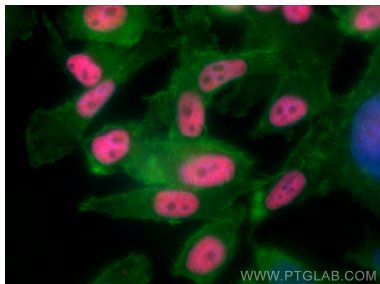
IP result of anti-NFIC (IP:16399-1-AP, 4ug; Detection:16399-1-AP 1:1000) with HeLa cells lysate 3600ug.



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).