

For Research Use Only

NFIC Polyclonal antibody

Catalog Number: 16399-1-AP **4 Publications**



Basic Information

Catalog Number: 16399-1-AP	GenBank Accession Number: BC012120	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4782	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: nuclear factor I/C (CCAAT-binding transcription factor)	IHC 1:250-1:1000 IF 1:50-1:500
Isotype: IgG	Calculated MW: 428aa,48 kDa; 508aa,57 kDa	
Immunogen Catalog Number: AG9494	Observed MW: 56 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IHC, IP, WB	WB : PC-3 cells, mouse brain tissue
Species Specificity: human, mouse, rat	IP : HeLa cells,
Cited Species: human, mouse	IHC : human liver cancer tissue, IF : PC-3 cells,

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

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.

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

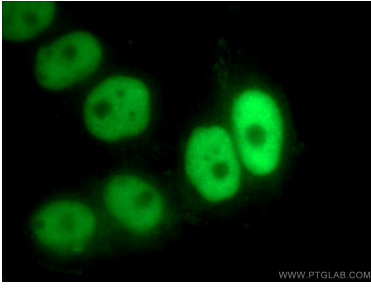
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

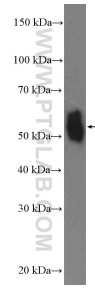
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

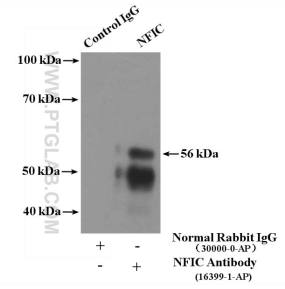
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using 16399-1-AP (NFIC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



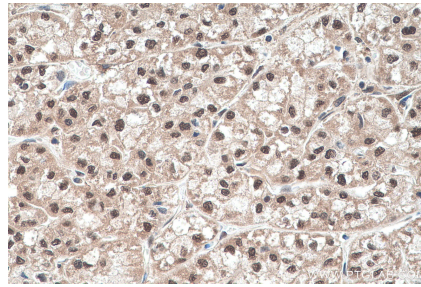
PC-3 cells were subjected to SDS PAGE followed by western blot with 16399-1-AP (NFIC Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).