

For Research Use Only

# NFIB Polyclonal antibody

Catalog Number: 29898-1-AP

Featured Product



## Basic Information

<b>Catalog Number:</b> 29898-1-AP	<b>GenBank Accession Number:</b> BC001283	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4781	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear factor I/B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 47 kDa	
<b>Immunogen Catalog Number:</b> AG31946	<b>Observed MW:</b> 45-65 kDa	

## Applications

**Tested Applications:**  
FC, IF, WB, ELISA

**Species Specificity:**  
Human, mouse

**Positive Controls:**

**WB :** HUVEC cells, HeLa cells, HepG2 cells, NIH/3T3 cells

**IF :** HepG2 cells,

## Background Information

NFIB, also named as Nuclear factor 1, is a 420 amino acid protein, which belongs to the CTF/NF-I family and may bind DNA as a homodimer. NFIB 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. NFIB also exists in multiple isoforms in prostate cancer cells, with average molecular weights of 62 kDa, 57 kDa, and 49 kDa (PMID: 32692871).

## 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

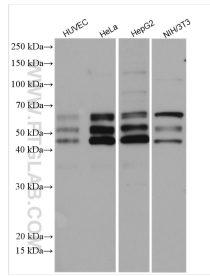
For technical support and original validation data for this product please contact:

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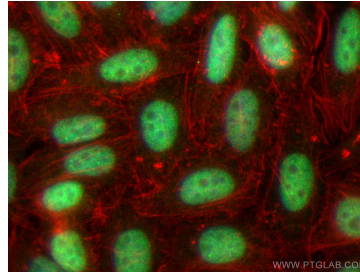
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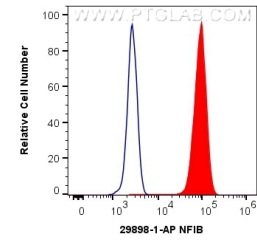
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29898-1-AP (NFIB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NFIB antibody (29898-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human NFIB (29898-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).