

For Research Use Only

# NFIX Monoclonal antibody

Catalog Number: 67983-1-Ig



## Basic Information

<b>Catalog Number:</b> 67983-1-Ig	<b>GenBank Accession Number:</b> NM_001271043	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4784	<b>CloneNo.:</b> 1E8A1
<b>Source:</b> Mouse	<b>Full Name:</b> nuclear factor I/X (CCAAT-binding transcription factor)	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 50 kDa	
<b>Immunogen Catalog Number:</b> AG31447	<b>Observed MW:</b> 45kDa, 50kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat, pig, rabbit

**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 :** pig brain tissue, A549 cells, HeLa cells, rat testis tissue, rat brain tissue, rabbit brain tissue, mouse brain tissue

**IHC :** mouse brain tissue, rat brain tissue

## Background Information

NFIX, also named CTF, belongs to the CTF/NF-I family. NFIX 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. NFIX is 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

\*\*\* 20ul sizes contain 0.1% BSA

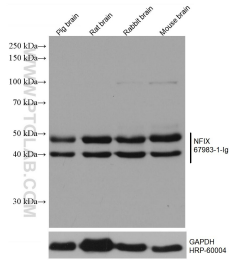
For technical support and original validation data for this product please contact:

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

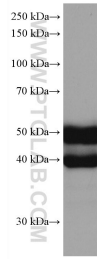
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

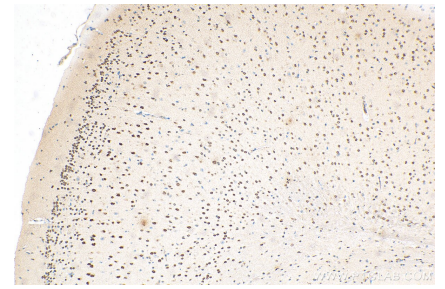
## Selected Validation Data



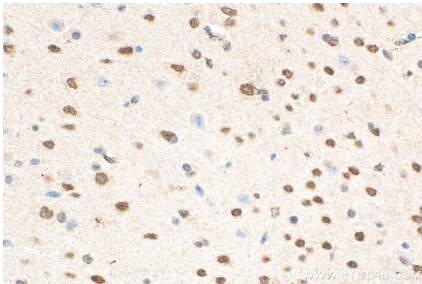
Various lysates were subjected to SDS PAGE followed by western blot with 67983-1-Ig (NFIX antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



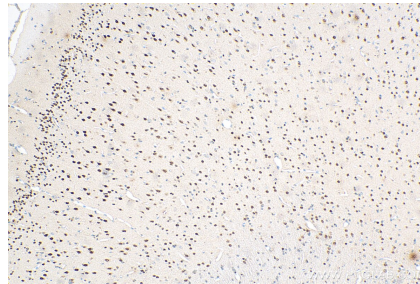
HeLa cells were subjected to SDS PAGE followed by western blot with 67983-1-Ig (NFIX antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



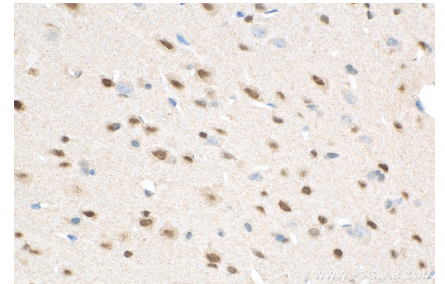
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67983-1-Ig (NFIX antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67983-1-Ig (NFIX antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67983-1-Ig (NFIX antibody) at dilution of 1:1500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67983-1-Ig (NFIX antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).