

NFIX Monoclonal antibody

Catalog Number: 67983-1-Ig

Basic Information

Catalog Number:

67983-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG31447

GenBank Accession Number:

NM_001271043

GeneID (NCBI):

4784

UNIPROT ID:

Q14938

Full Name:

nuclear factor I/X (CCAAT-binding transcription factor)

Calculated MW:

50 kDa

Observed MW:

45kDa, 50kDa

Purification Method:

Protein A purification

CloneNo.:

1E8A1

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:1000-1:4000

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:

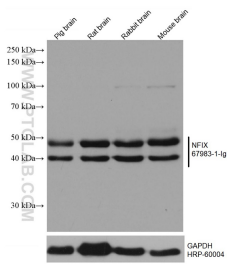
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

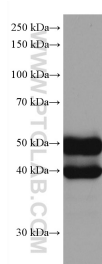
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

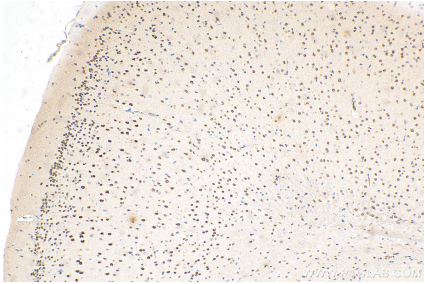
Selected Validation Data



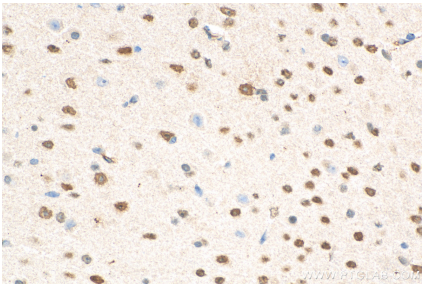
Various lysates were subjected to SDS PAGE followed by western blot with 67983-1-Ig (NFIIX antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



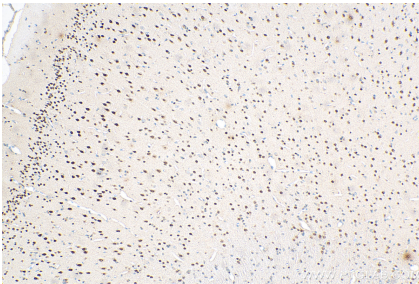
HeLa cells were subjected to SDS PAGE followed by western blot with 67983-1-Ig (NFIIX antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



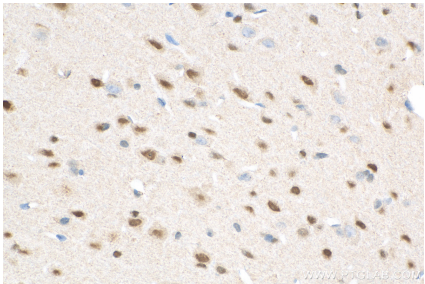
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67983-1-Ig (NFIIX antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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