

For Research Use Only

NFIA Monoclonal antibody, PBS Only



Catalog Number: 66999-1-PBS

Featured Product

Basic Information

Catalog Number:

66999-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17873

GenBank Accession Number:

BC022264

GeneID (NCBI):

4774

UNIPROT ID:

Q12857

Full Name:

nuclear factor I/A

Calculated MW:

498 aa, 55 kDa

Observed MW:

60-70 kDa

Purification Method:

Protein G purification

CloneNo.:

3A6D7

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

Human, rat, mouse, pig, rabbit

Background Information

The NF1 (nuclear factor 1) family consists of four members in vertebrates (NF1-A, NF1-B, NF1-C and NF1-X), and the four NF1 genes are expressed in unique patterns during mouse embryogenesis and in the adult. Four isoforms of NF1A were found in human and they play various roles in DNA replication, DNA-dependent transcription via their DNA binding property. Multiple residues of NF1A can be phosphorylated resulting in mild shifts of its practical molecular weight. Recent finding also revealed its neuroprotective function in NMDA-induced neuronal damage. The calculated molecular weight of NF1A is 55 kDa, However the size of the proteins cross-linked to the adenoviral NF-1 element ranged from 60 to 80 kDa. The larger size observed by us could be due to the oligo protein complex, which would increase the size by 15-20 kDa. (PMID: 11447215)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

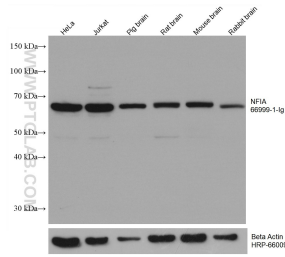
For technical support and original validation data for this product please contact:

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

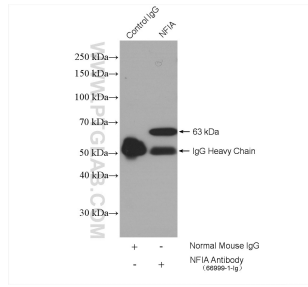
E: proteintech@ptglab.com
W: ptglab.com

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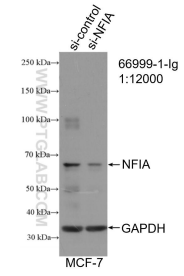
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66999-1-Ig (NFIA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66999-1-PBS in a different storage buffer formulation.



IP result of anti-NFIA (IP:66999-1-Ig, 5ug; Detection:66999-1-Ig 1:500) with HeLa cells lysate 1600 ug. This data was developed using the same antibody clone with 66999-1-PBS in a different storage buffer formulation.



WB result of NFIA antibody (66999-1-Ig; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NFIA transfected MCF-7 cells. This data was developed using the same antibody clone with 66999-1-PBS in a different storage buffer formulation.