

For Research Use Only

CoraLite® Plus 488-conjugated NFIA Monoclonal antibody



Catalog Number: CL488-66999

Featured Product

Basic Information

Catalog Number:

CL488-66999

Size:

1000 µg/ml

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

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, rat, mouse, pig, rabbit

Background Information

The NFI (nuclear factor I) family consists of four members in vertebrates (NFI-A, NFI-B, NFI-C and NFI-X), and the four NFI genes are expressed in unique patterns during mouse embryogenesis and in the adult. Four isoforms of NFIA were found in human and they play various roles in DNA replication, DNA-dependent transcription via their DNA binding property. Multiple residues of NFIA 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 NFIA is 55 kDa, However the size of the proteins cross-linked to the adenoviral NF-I 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data