

# 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:****Species Specificity:**

human, mouse, rat, 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:

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