

For Research Use Only

CoraLite® Plus 488-conjugated NFIA Monoclonal antibody



Catalog Number: CL488-66999

Featured Product

Basic Information

Catalog Number: CL488-66999	GenBank Accession Number: BC022264	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4774	CloneNo.: 3A6D7
Source: Mouse	Full Name: nuclear factor I/A	
Isotype: IgG1	Calculated MW: 498 aa, 55 kDa	
Immunogen Catalog Number: AG17873	Observed MW: 60-70 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, rat, mouse, pig, rabbit

Background Information

The NF1 (nuclear factor I) 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 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.

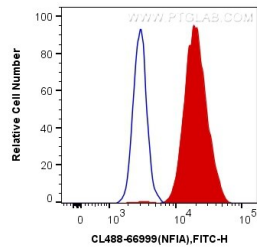
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NFIA (CL488-66999, Clone:3A6D7) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).