

For Research Use Only

CoraLite® Plus 488-conjugated NFATC3 Monoclonal antibody

Catalog Number: CL488-66924



Basic Information

Catalog Number:

CL488-66924

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27306

GenBank Accession Number:

BC001050

GeneID (NCBI):

4775

UNIPROT ID:

Q12968

Full Name:

nuclear factor of activated T-cells,
cytoplasmic, calcineurin-dependent 3

Calculated MW:

116 kDa

Observed MW:

160 kDa

Purification Method:

Protein G purification

CloneNo.:

1C1H8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

NFAT (nuclear factors of activated T cells) proteins are a family of transcription factors originally identified as mediators of activation of cytokine genes in response to antigenic stimulation of T cells. NFAT proteins also play varied roles in cells outside of the immune system [PMID:11877454]. NFATc3 has specifically been implicated in vasculature development, regulation of smooth muscle contractile phenotype, and modulation of vascular smooth muscle contractility [PMID:11439183,17148444]. The calculated molecular weight of NFATC3 is 115 kDa, but the post-modified protein is about 130-170 kDa (PMID: 15728531, PMID: 15857835)

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:

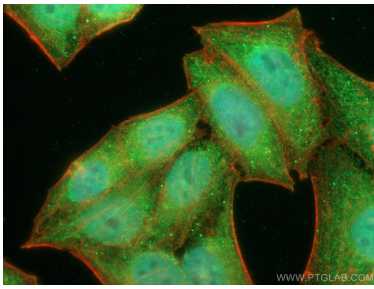
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 NFATC3 antibody (CL488-66924, Clone: 1C1H8) at dilution of 1:200, CL594-Phalloidin (red).