For Research Use Only

NFATC3 Monoclonal antibody

Catalog Number:66924-1-Ig

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Basic Information

Catalog Number:
66924-1-Ig

Size:
1400 μg/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 A purification

CloneNo.:
1C1H8

Recommended Dilutions:
WB 1:1000-1:6000

Affinity:
K_D= 1.16 x 10^{-10}
K_{Off}= 5.67 x 10^{-6}
K_{On}= 4.90 x 10^{4}

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : Jurkat cells, K-562 cells, Daudi 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol 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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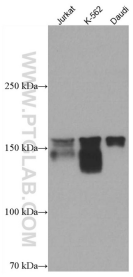
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66924-1-Ig (NFATC3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.