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Datasheet for 200-401-H95

NFATc1 Antibody

Overview

Description:	Anti-NFATc1 (RABBIT) Antibody - 200-401-H95
Item No.:	200-401-H95
Size:	100 µg
Applications:	IF, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Anti-NFATc1 Antibody detect human NFATc1. NFAT (nuclear factor of activated T cell) transcription factors play critical roles in gene transcription during immune responses. The NFAT complex is made up of NFATc (NFATc1 - 4) and AP-1 transcription factor. NFAT proteins are regulated by Ca2+. NFATc1 is a substrate protein phosphatase calcineurin, a critical mediator of calcium signals during Tcell activation. NFATc1 activation requires the translocation of the transcription factor into the nucleus, a process that is mediated by calcineurin. Anti-NFATc1 Antibody is ideal for investigators involved in kinase and phosphatase research.
Synonyms:	NFAT2, NFATC, NF-ATc1, NFATc1, NFAT transcription complex cytosolic component, NF-Atc, NFATc
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NFATC1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	NFATc1 Antibody was produced from whole rabbit serum prepared by repeated immunizations with human NFATc1 at internal amino acids.

Purity/Specificity:	Anti-NFATc1 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-NFATc1 from human and mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-NFATc1 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95644 • NCBI - NP_006153.2 • GeneID - 4772

Application Details

Tested Applications:	IF, WB
Application Note:	Anti-NFATc1 Antibody is tested for WB and ICC/IF. Expect a band approximately 90-110kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1-3 µg/mL

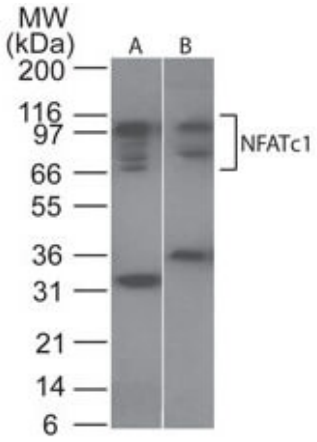
Formulation

Physical State:	Liquid
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-NFATc1 antibody. Lane 1: human Ramos. Lane 2: mouse RAW cell lysate. Primary antibody: NFATc1 at 1µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~80 kDa for NFATc1. Other band (s): none.

Disclaimer

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