Datasheet for ABIN710711

anti-NFAT1 antibody (pSer330)

Go to Product page

Overview

Quantity:	100 µL
Target:	NFAT1
Binding Specificity:	pSer330
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFAT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human NFATc2 around the phosphorylation site of Ser330
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	NFAT1
Alternative Name:	NFATc2 (NFAT1 Products)

Target Details

Background:	Synonyms: NFATC2phospho S330, AI607462, KIAA0611, NF ATp, NF-ATc2, NFAT 1, NFAT pre existing subunit, NFAT transcription complex, preexisting component, NFAT1, NFAT1-D, NFATc2, NFATp, Nuclear factor of activated T cells cytoplasmic 2, Nuclear factor of activated T cells cytoplasmic calcineurin dependent 2, Nuclear factor of activated T cells pre-existing component, T cell transcription factor NFAT. Background: Nuclear factor of activated T cells (NFAT) is a family of transcription factors implicated in multiple biological processes including cytokine gene expression, cardiac hypertrophy and adipocyte differentiation. NFAT1 (also known as NFATc2 or NFATp) is a member of this family that is regulated by the calcium-dependent phosphatase calcineurin. When calcineurin is activated by calcium it dephosphorylates multiple residues in the regulatory domain of NFAT1, leading to its translocation to the nucleus and activation of its transcriptional activity. Once in the nucleus, NFAT proteins act synergistically with the AP-1 transcription factor complex to regulate the expression of multiple genes. Serine 54 in mouse NFAT1 has been shown to be important in the regulation of its transcriptional activity.
Gene ID:	4773
Pathways:	RTK Signaling, WNT Signaling, Fc-epsilon Receptor Signaling Pathway, VEGF Signaling, BCR Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months