



Human NFATC2 blocking peptide (CDBP2027)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-NFATC2/NFAT1 antibody
Antigen Description	This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Apr 2012]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 [Homo sapiens (human)]
Official Symbol	NFATC2

Synonyms	NFATC2; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2; NFAT1; NFATP; nuclear factor of activated T-cells, cytoplasmic 2; NF-ATc2; NFAT pre-existing subunit; T cell transcription factor NFAT1; T-cell transcription factor NFAT1; NFAT transcription complex, preexisting component; preexisting nuclear factor of activated T-cells 2; nuclear factor of activated T-cells, preexisting component;
Entrez Gene ID	4773
mRNA Refseq	NM_001136021.2
Protein Refseq	NP_001129493.1
UniProt ID	Q13469
Chromosome Location	20q13.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosys
Function	DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;