



Anti-NFATC4 (aa 613-715) polyclonal antibody (DPAB-DC2022)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the nuclear factor of activated T cells (NFAT) protein family. The encoded protein is part of a DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor stimulation and an inducible nuclear component. NFAT proteins are activated by the calmodulin-dependent phosphatase, calcineurin. The encoded protein plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of interleukin-2 and interleukin-4. Alternative splicing results in multiple transcript variants.
Immunogen	NFATC4 (NP_004545, 613 a.a. ~ 715 a.a) partial recombinant protein with GST tag. The sequence is PDSKVVFIERGPDGKLQWEEEATVNRQLQSNEVTLTLTVPEYSNKRVSRPVQVYFYVSNGR RKRSPTQSFRFLPVICKEEPLPDSSLRGFPSASATPFGTDMDF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NFATC4 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 [Homo sapiens (human)]
Official Symbol	NFATC4
Synonyms	NFATC4; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4; NFAT3; NF-AT3; NF-ATC4; nuclear factor of activated T-cells, cytoplasmic 4; T-cell transcription factor NFAT3;
Entrez Gene ID	4776
Protein Refseq	NP_001129494
UniProt ID	Q14934
Chromosome Location	14q11.2
Pathway	Axon guidance; ErbB2/ErbB3 signaling events; Heart Development; MicroRNAs in cardiomyocyte hypertrophy
Function	DNA binding; peroxisome proliferator activated receptor binding; protein binding; sequence-specific DNA binding RNA polymerase II transcription factor activity
