



# Anti-NFATC1 (aa 701-810) polyclonal antibody (DPAB-DC2019)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The product of this gene is a component of the nuclear factor of activated T cells 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 (TCR) stimulation, and an inducible nuclear component. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes.
<b>Immunogen</b>	NFATC1 (NP_006153, 701 a.a. ~ 810 a.a) partial recombinant protein with GST tag. The sequence is IKTEPTDDYEPAPTCGPVSQGLSPLRPYYSQQLAMPPDPSSCLVAGFPFPCPQRSTLMPA APGVSPKLHDLSPAAYTKGVASPGHCHLGLPQPAGEAPAVQDVRPVATH
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">NFATC1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 [ Homo sapiens (human) ]</a>
Official Symbol	NFATC1
Synonyms	NFATC1; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1; NFAT2; NFATc; NF-ATC; nuclear factor of activated T-cells, cytoplasmic 1; NFAT transcription complex cytosolic component;
Entrez Gene ID	<a href="#">4772</a>
Protein Refseq	<a href="#">NP_001265598</a>
UniProt ID	<a href="#">O95644</a>
Chromosome Location	18q23
Pathway	B Cell Receptor Signaling Pathway; BCR signaling pathway; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Downstream signaling in naive CD8+ T cells
Function	FK506 binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; RNA polymerase II distal enhancer sequence-specific DNA binding transcription fa