

## Product datasheet for **TA345590**

### NFAT2 (NFATC1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NFATC1 antibody: synthetic peptide directed towards the N terminal of human NFATC1. Synthetic peptide located within the following region: PSTSTFPVPSKFPLGPAAAVFGRGETLGPAPRAGGTMKSAEEEHYGYASSN
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 kDa
Gene Name:	nuclear factor of activated T-cells 1
Database Link:	<a href="#">NP_765978</a> <a href="#">Entrez Gene 4772 Human</a> <a href="#">O95644</a>



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**Background:**

NFATC1 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. Different isoforms of this protein may regulate inducible expression of different cytokine genes. 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. Five transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes.

**Synonyms:**

NF-ATC; NF-ATc1.2; NFAT2; NFATc

**Note:**

Immunogen Sequence Homology: Human: 100%; Rat: 92%; Dog: 79%; Pig: 79%; Mouse: 79%; Guinea pig: 79%

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Axon guidance, B cell receptor signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

**Product images:**

WB Suggested Anti-NFATC1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Jurkat cell lysate; NFATC1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells