

## Product datasheet for **TA357535**

### NFAT2 (NFATC1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFATC1
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat <b>Homology:</b> Cow: 86%; Dog: 86%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 86%
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>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	100kDa
Gene Name:	nuclear factor of activated T-cells 1
Database Link:	<a href="#">NP_765975</a> <a href="#">Entrez Gene 4772 Human</a> <a href="#">B5B2M5</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.

**Synonyms:**

MGC138448; NF-ATc; NF-ATc1; NFAT2; NFATc

**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: 1:312500

Positive Control: Human brain