

## Product datasheet for **TA307580**

### **NFAT1 (NFATC2) Rabbit Monoclonal Antibody [Clone ID: EPR2973]**

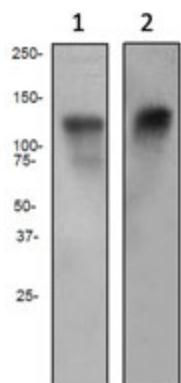
#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	EPR2973
Applications:	WB
Recommended Dilution:	WB: 1:1,000 - 5,000
Reactivity:	Human (Does not react with: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues in human NFAT1 was used as an immunogen.
Formulation:	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	100 kDa
Gene Name:	nuclear factor of activated T-cells 2
Database Link:	<a href="#">NP_001129493</a> <a href="#">Entrez Gene 18019 MouseEntrez Gene 311658 RatEntrez Gene 4773 Human Q13469</a>
Background:	Nuclear factor of activated T-cells, cytoplasmic 2 (NFAT1) belongs to the NFAT family of transcription factors that are expressed in most immune cell types, and play a central role in the transcription of cytokine genes, such as IL-2, IL-4, IL-5, IL-13, IFN-gamma, TNF-alpha, and GM-CSF. The activity NFAT proteins are regulated by the calcium/calmodulin-dependent phosphatase calcineurin, a target for inhibition by CsA and FK506 (1). NFAT1 is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the NFAT transcription complex. This complex plays a central role in inducing gene transcription during the immune response (2).
Synonyms:	NFAT1; NFATP



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<b>Note:</b>	Does not react with Mouse, Rat
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Axon guidance, B cell receptor signaling pathway, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

**Product images:**

Western blot - NFAT1 antibody [EPR2973]; All lanes : Anti-NFAT1 antibody [EPR2973] at 1/1000 dilution.Lane 1 : Jurkat cell lysate.Lane 2 : Ramos cell lysate.Lysates/proteins at 10 ug per lane.Secondary.HRP labelled goat anti-rabbit at 1/2000 dilution.Predicted band size : 100 kDa.Observed band size : 135 kDa.