

Product datasheet for **AP06545PU-M**

NFAT4 (NFATC3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 130-180 of Human NFAT4.
Specificity:	This antibody detects endogenous levels of NFAT4 protein. (region surrounding Glu159)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 115 kDa
Gene Name:	nuclear factor of activated T-cells 3
Database Link:	<u>Entrez Gene 4775 Human Q12968</u>



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Background:

NFATc4 (nuclear factor of activated T cells, cytoplasmic, calcineurindependent 4) is a member of the nuclear factors of activated T cells DNA binding transcription complex that influences cytokine gene expression, cardiac hypertrophy and adipocyte differentiation. This complex consists of at least two components, a cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family participate in the formation of this complex. NFATc4 plays a role in the inducible expression of cytokine genes in T cells, including the induction of IL-2 and IL-4. p38 MAP kinase phosphorylates multiple residues in the NFAT homology domain of NFATc4.

Synonyms:

NF-ATc3, NFATc3, T-cell transcription factor NFAT4

Product images:


Western blot (WB) analysis of NFAT4 antibody in extracts from HeLa cells treated with Ca⁺ 40nM 30'.