

Product datasheet for AP06545PU-M

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OriGene Technologies, Inc.

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: Entrez Gene 4775 Human

Q12968





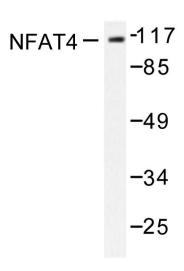
Background:

NFATc4 (nuclear factor of activated T cells, cytoplasmic, calcineurindependent 4) is a member of the nuclear factors of activated T cells DNAbinding 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'.