

Datasheet for ABIN7601323
anti-NFATC3 antibody (AA 32-880)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	NFATC3
Binding Specificity:	AA 32-880
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NFAT4/NF-ATc3/NFATC3 Antibody Picoband®
Immunogen:	E.coli-derived human NFAT4/NF-ATc3/NFATC3 recombinant protein (Position: R32-Q880).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NFAT4/NF-ATc3/NFATC3 Antibody Picoband® (ABIN7601323). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NFATC3
Alternative Name:	NFATC3 (NFATC3 Products)
Background:	Synonyms: Nuclear factor of activated T-cells, cytoplasmic 3, NF-ATc3, NFATc3, NFATx, T-cell transcription factor NFAT4, NF-AT4, NFATC3, NFAT4, Tissue Specificity: Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, heart, placenta and pancreas. Isoform 3 is expressed in thymus and kidney. Isoform 4 is expressed in thymus and skeletal muscle. Background: Nuclear factor of activated T-cells, cytoplasmic 3 is a protein that in humans is encoded by the NFATC3 gene. The product of this gene is a member of the nuclear factors 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. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes.
Molecular Weight:	150 kDa
Gene ID:	4775
UniProt:	Q12968
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , Chromatin Binding

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Hoey T, Sun YL, Williamson K, Xu X (May 1995). "Isolation of two new members of the NF-AT gene family and functional characterization of the NF-AT proteins". Immunity. 2 (5): 461-72. 2. Horsley, V., Pavlath, G. K. NFAT: ubiquitous regulator of cell differentiation and adaptation. J. Cell Biol. 156: 771-774, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.