

Datasheet for ABIN534871
anti-NFATC1 antibody (AA 428-716)[Go to Product page](#)[1 Image](#) [2 Publications](#)

Overview

Quantity:	100 µL
Target:	NFATC1
Binding Specificity:	AA 428-716
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NFATC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant NFATC1.
Immunogen:	Recombinant protein corresponding to amino acids 428-716 of human NFATC1.
Clone:	AT1C3
Isotype:	IgG2a
Cross-Reactivity:	Human

Target Details

Target:	NFATC1
Alternative Name:	NFAT2 / NFATC (NFATC1 Products)

Target Details

Gene ID: 4772

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS, pH 7.4 (10 % glycerol, 0.02 % sodium azide).

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Akimzhanov, Krenacs, Schlegel, Klein-Hessling, Bagdi, Stelkovics, Kondo, Chuvpilo, Wilke, Avots, Gattenlöhner, Müller-Hermelink, Palmetshofer, Serfling: "Epigenetic changes and suppression of the nuclear factor of activated T cell 1 (NFATC1) promoter in human lymphomas with defects in immunoreceptor signaling." in: **The American journal of pathology**, Vol. 172, Issue 1, pp. 215-24, (2008) ([PubMed](#)).

Asagiri, Sato, Usami, Ochi, Nishina, Yoshida, Morita, Wagner, Mak, Serfling, Takayanagi: "Autoamplification of NFATc1 expression determines its essential role in bone homeostasis." in: **The Journal of experimental medicine**, Vol. 202, Issue 9, pp. 1261-9, (2005) ([PubMed](#)).

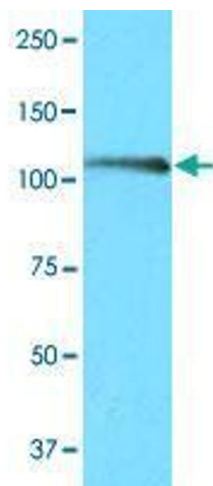


Image 1. Cell lysates of Ramos (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with NFATC1 monoclonal antibody, clone AT1C3 (Cat # MAB3209 ; 1 : 1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.