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Datasheet for ABIN5647598
anti-NFATC4 antibody

3 Images

Overview

Quantity:	100 µg
Target:	NFATC4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A recombinant human protein corresponding to amino acids Q413-D522 was used as the immunogen for the NFATC4 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	NFATC4
Alternative Name:	NFATC4 (NFATC4 Products)
Background:	Nuclear factor of activated T-cells, cytoplasmic 4 is a protein that in humans is encoded by the NFATC4 gene. This gene encodes a member of the nuclear factor of activated T cells (NFAT) protein family. The encoded protein is part of a 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 stimulation and an inducible nuclear

Target Details

component. NFAT proteins are activated by the calmodulin-dependent phosphatase, calcineurin. The encoded protein plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of interleukin-2 and interleukin-4.

UniProt: [Q14934](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Application Notes: Optimal dilution of the NFATC4 antibody should be determined by the researcher. Western Blot: 0.5-1 µg/mL, FACS: 1-3 µg/10⁶ cells, Direct ELISA (recombinant human protein): 0.1-0.5 µg/mL (BSA-free format available)

Restrictions: For Research Use only

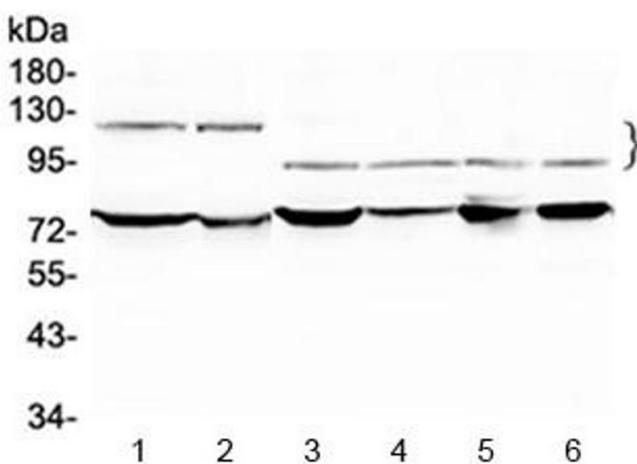
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

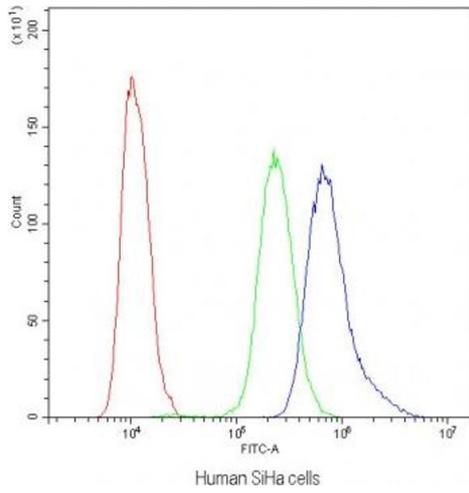
Storage Comment: After reconstitution, the NFATC4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



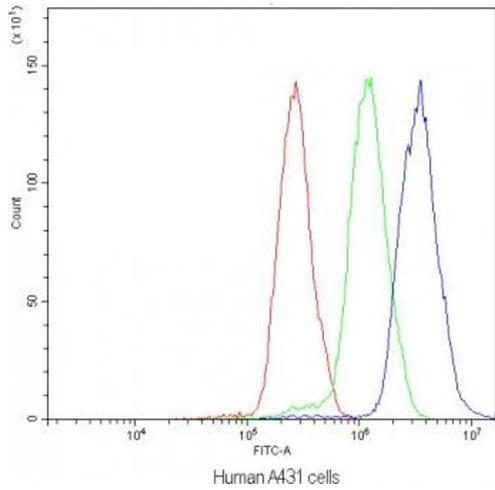
Western Blotting

Image 1. Western blot testing of 1) rat testis, 2) mouse testis, 3) human HeLa, 4) human A549 and 6) human SK-OV-3 lysate with NFATC4 antibody at 0.5 µg/ml. Predicted molecular weight ~95 kDa, also can be observed at 120-140 kDa.



Flow Cytometry

Image 2. Flow cytometry testing of human SiHa cells with NFATC4 antibody at 1ug/10⁶ cells (blocked with goat sera)



Flow Cytometry

Image 3. Flow cytometry testing of human A431 cells with NFATC4 antibody at 1ug/10⁶ cells (blocked with goat sera)