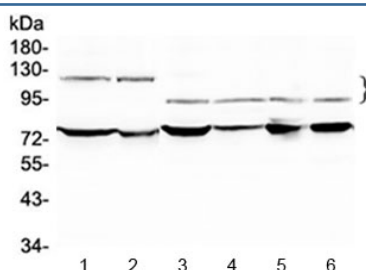


## NFATC4 Antibody (R32926)

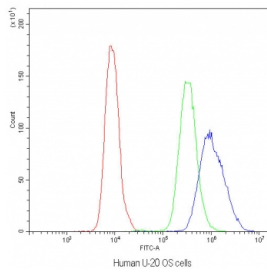
Catalog No.	Formulation	Size
R32926	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

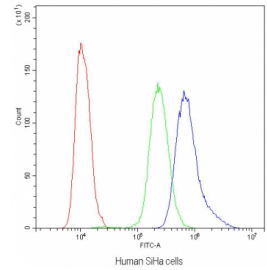
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	Q14934
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA (recombinant Human Protein) : 0.1-0.5ug/ml (BSA-free format available)
<b>Limitations</b>	This NFATC4 antibody is available for research use only.



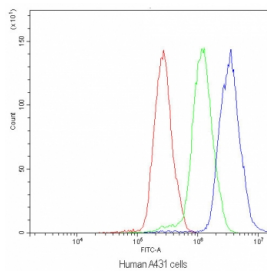
Western blot testing of 1) rat testis, 2) mouse testis, 3) human HeLa, 4) human A549 and 6) human SK-OV-3 lysate with NFATC4 antibody at 0.5ug/ml. Predicted molecular weight ~95 kDa, also can be observed at 120-140 kDa.



Flow cytometry testing of human U-2 OS cells with NFATC4 antibody at  $1\mu\text{g}/10^6$  cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=NFATC4 antibody.



Flow cytometry testing of human SiHa cells with NFATC4 antibody at  $1\mu\text{g}/10^6$  cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=NFATC4 antibody.



Flow cytometry testing of human A431 cells with NFATC4 antibody at  $1\mu\text{g}/10^6$  cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=NFATC4 antibody.

## Description

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 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.

## Application Notes

Optimal dilution of the NFATC4 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids Q413-D522 was used as the immunogen for the NFATC4 antibody.

## Storage

After reconstitution, the NFATC4 antibody can be stored for up to one month at  $4^{\circ}\text{C}$ . For long-term, aliquot and store at  $-20^{\circ}\text{C}$ . Avoid repeated freezing and thawing.

