

Product Datasheet

NFAT2 Antibody



Catalog No: CY6855

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB ICC/IF FC

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Information

UniProt ID: O95644

All Names: cytoplasmic 1; NF ATc; NF ATc1; NF-ATc; NF-ATc1; NFAC1; NFAT 2; NFAT transcription complex cytosolic component; NFAT2; NFATC 1; NFATc; NFATc1; Nuclear factor of activated T cells cytoplasmic 1; Nuclear factor of activated T-cells;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 101 kDa

Application

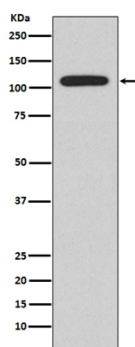
WB 1:500~1:2000

ICC/IF 1:50~1:200

FC 1:50

Background

NFAT proteins are predominantly expressed in cells of the immune system, but are also expressed in skeletal muscle, keratinocytes, and adipocytes, regulating cell differentiation programs in these cells. In resting cells, NFAT proteins are heavily phosphorylated and localized in the cytoplasm. Increased intracellular calcium concentrations activate the calcium/calmodulin-dependent serine phosphatase calcineurin, which dephosphorylates NFAT proteins, resulting in their subsequent translocation to the nucleus. Termination of NFAT signaling occurs upon declining calcium concentrations and phosphorylation of NFAT by kinases such as GSK-3 or CK1. Cyclosporin A and FK506 are immunosuppressive drugs that inhibit calcineurin and thus retain NFAT proteins in the cytoplasm.



Western blot analysis of NFAT2 expression in Ramos cell lysate.

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