

Datasheet for ABIN336112
anti-NFATC1 antibody (AA 428-716)

3 Images

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Overview

Quantity:	0.1 mL
Target:	NFATC1
Binding Specificity:	AA 428-716
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NFATC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant human NFATc1 (aa 428-716) purified from E. coli
Clone:	AT1C3
Isotype:	IgG2a
Specificity:	The antibody recognizes Human NFATc1. Other species not tested.
Characteristics:	Synonyms: NF-ATc1, NFATC1, NFATC, Nuclear factor of activated T-cells, cytoplasmic 1
Purification:	Protein-G affinity chromatography

Target Details

Target:	NFATC1
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Target Details

Alternative Name:	NFAT2 / NFATC (NFATC1 Products)
Background:	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 (NFATc1) is a component of the nuclear factor of activated T cells DNA-binding transcription complex which 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. This protein plays a main role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 or IL-4 gene transcription and functions as a major molecular target for the immunosuppressive drugs such as cyclosporine A. NFATc1 is expressed in most human primary lymphocytes and mature human T- and B-cell neoplasms. Synonyms: NF-ATc1, NFATC, NFATC1, Nuclear factor of activated T-cells, cytoplasmic 1
Gene ID:	4772
UniProt:	O95644
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway

Application Details

Application Notes:	ELISA. Western blot (1/1,000-1/2,000). Immunohistochemistry on Paraffin Sections (10 µg/mL). This NFATC1 antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

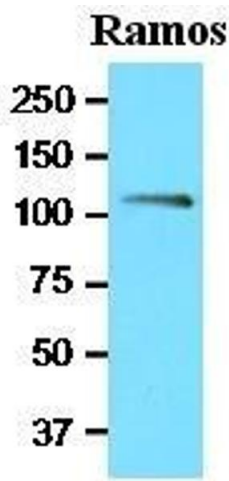
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, containing 0.09 % 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.

Handling

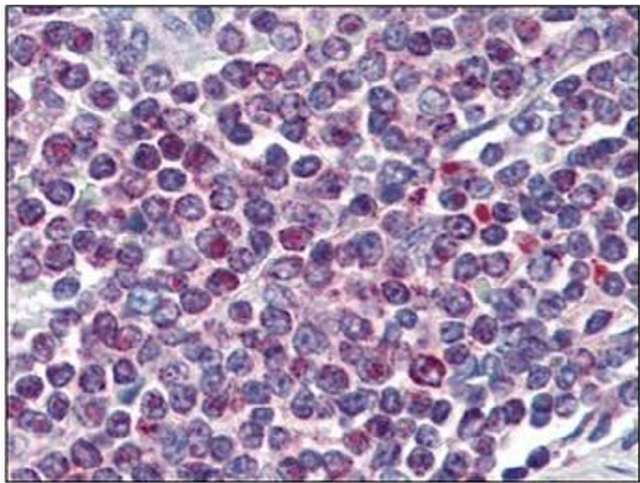
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for up to two weeks or (in aliquots) at -20 °C or -70 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months

Images



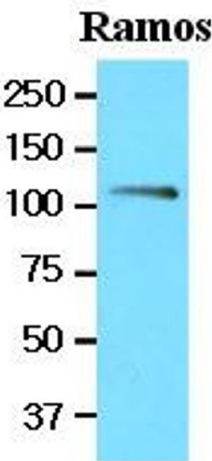
Western Blotting

Image 1.



Immunohistochemistry

Image 2.



Western Blotting

Image 3.