

Datasheet for ABIN7161789
anti-NFATC1 antibody (AA 48-406)

2 Images

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Overview

Quantity:	100 µg
Target:	NFATC1
Binding Specificity:	AA 48-406
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Nuclear factor of activated T-cells, cytoplasmic 1 protein (48-406AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NFATC1
Alternative Name:	NFATC1 (NFATC1 Products)
Background:	Background: Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 or IL-4 gene transcription. Also controls gene expression in embryonic

Target Details

cardiac cells. Could regulate not only the activation and proliferation but also the differentiation and programmed death of T-lymphocytes as well as lymphoid and non-lymphoid cells (PubMed:10358178). Required for osteoclastogenesis and regulates many genes important for osteoclast differentiation and function (By similarity).

Aliases: cytoplasmic 1 antibody, MGC138448 antibody, NF ATc antibody, NF ATc1 antibody, NF-ATc antibody, NF-ATc1 antibody, NF-ATc1.2 antibody, NFAC1_HUMAN antibody, NFAT 2 antibody, NFAT transcription complex cytosolic component antibody, NFATC 1 antibody, NFATc antibody, NFATc1 antibody, Nuclear factor of activated T cells cytoplasmic 1 antibody, Nuclear factor of activated T cells cytoplasmic calcineurin dependent 1 antibody, Nuclear factor of activated T cells cytosolic component 1 antibody, nuclear factor of activated T-cells 'c' antibody, Nuclear factor of activated T-cells antibody

UniProt: [O95644](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:1000-1:2000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

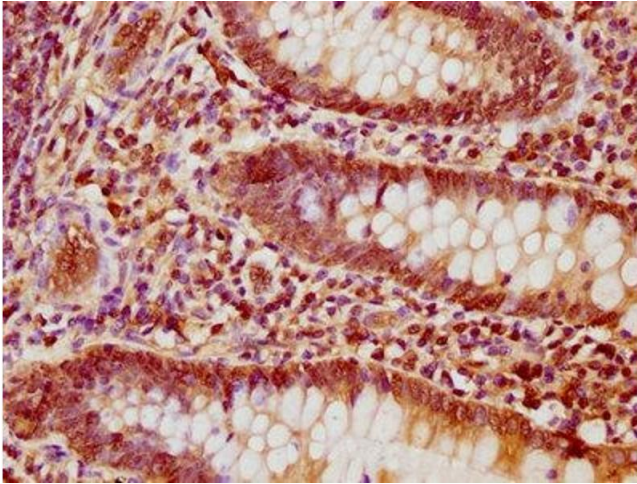
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

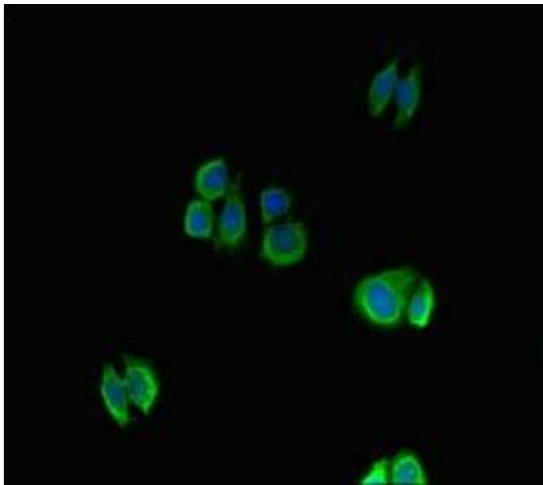
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7161789 diluted at 1:1200 and staining in paraffin-embedded human appendix tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescent analysis of HepG2 cells using ABIN7161789 at dilution of 1: 100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)