

Datasheet for ABIN2778552
anti-NFATC1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	NFATC1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Dog, Cow, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NFATC1
Sequence:	LLPEVHEDGS PNLAPIPVTV KREPEELDQL YLDDVNEIIR NDLSSTSTHS
Predicted Reactivity:	Cow: 79%, Dog: 93%, Guinea Pig: 91%, Horse: 91%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against NFATC1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NFATC1
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Target Details

Alternative Name:	NFATC1 (NFATC1 Products)
Background:	NFATC1 is a component of the nuclear factor of activated T cells 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 (TCR) stimulation, and an inducible nuclear component. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Different isoforms of this protein may regulate inducible expression of different cytokine genes. Alias Symbols: MGC138448, NF-ATC, NFAT2, NFATc Protein Interaction Partner: YWHAQ, OGT, PML, GZF1, FOXP3, HDAC4, PIAS1, SUMO1, UBE2I, RPS6KB1, RPS6KA3, HDAC2, HDAC1, HNRNPA1, TUBA1A, KPNB1, HDAC5, KAT2B, EP300, PARP1, HDAC3, PPP3R1, MAPK14, GNB2L1, PRKCA, SPI1, PIM1, EGR2, EGR1, Protein Size: 930
Molecular Weight:	100 kDa
Gene ID:	4772
NCBI Accession:	NM_172387 , NP_765975
UniProt:	B5B2M5
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 930 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

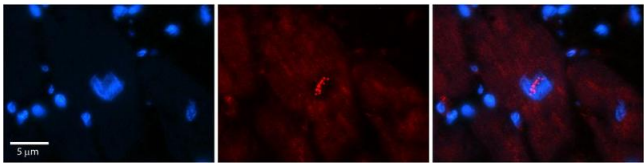
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NFATC1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: COLO205 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-NFATC1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Nuclear, Cytoplasmic Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.