

Datasheet for ABIN2787951
anti-NFATC1 antibody (N-Term)



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2 Images

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFATC1
Sequence:	PRHSPSTSPR ASVTEESWLG ARSSRPASPC NKRKYSNLNGR QPPYSPHHSP
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 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:	<p>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.</p> <p>Alias Symbols: MGC138448, NF-ATC, NFAT2, NFATc</p> <p>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,</p> <p>Protein Size: 930</p>
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: Human brain



Rabbit Anti-NFATC1 Antibody
Catalog Number: ARP59144
Lot Number: QC30241
Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-NFATC1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: Human brain