

Datasheet for ABIN2777543
anti-NFATC4 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	NFATC4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NFATC4
Sequence:	GEELVLTGSN FLPDSKVF I ERGPDGKLQW EEEATVNRLQ SNEVTLTLTV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 85%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against NFATC4. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	NFATC4
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Target Details

Alternative Name: [NFATC4 \(NFATC4 Products\)](#)

Background: NFATC4 is a member of the nuclear factors 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. Other members of this family of nuclear factors of activated T cells also participate in the formation of this complex. NFATC4 plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4. The product of this gene is a member of the nuclear factors 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. Other members of this family of nuclear factors of activated T cells also participate in the formation of this complex. The product of this gene plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4.

Alias Symbols: NFAT3, NF-ATc4

Protein Interaction Partner: ANKRD28, Dlg4, NR112, MAPK9, MAPK8, JUP, GPR22, CCNG1, LPIN1, CEBPA, GATA4, YWHAZ, MAPK14, CREBBP, YWHAQ,

Protein Size: 902

Molecular Weight: 95 kDa

Gene ID: 4776

NCBI Accession: [NM_004554](#), [NP_004545](#)

UniProt: [Q14934](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 902 AA

Restrictions: For Research Use only

Handling

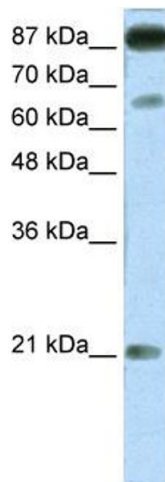
Format: Liquid

Concentration: Lot specific

Handling

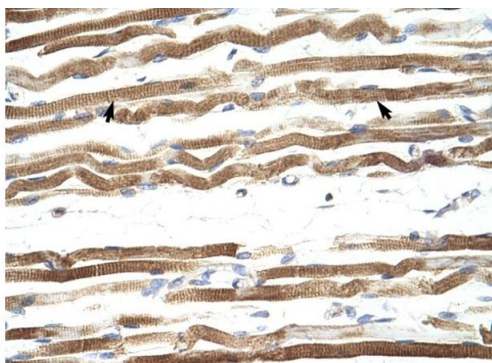
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated 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-NFATC4 Antibody Titration:
1.25ug/ml Positive Control: Transfected 293T



Immunohistochemistry

Image 2. Human Muscle

Rabbit Anti-NFATC4 Antibody
Catalog Number: ARP32715
Lot Number: QC2131
Paraffin Embedded Tissue: Human Muscle
Cells with Positive label: Skeletal muscle cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X