

Rabbit NFATC1 Polyclonal Antibody | anti-NFATC1 antibody

NFATC1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198544	Rabbit	Dog, Guinea Pig, Human, Mouse, Rat	Immunohistochemistry, Western Blot

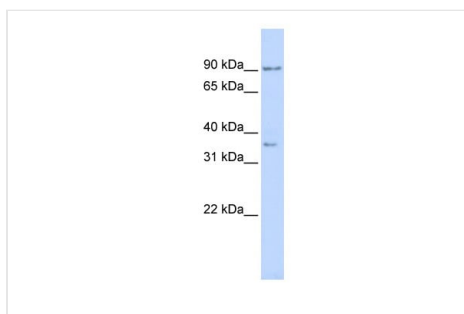
PRODUCT SYNONYMS

NFATC1; Polyclonal Antibody; NFATC1 antibody - N-terminal region; anti-NFATC1 antibody

PRODUCT SPECIFICATIONS

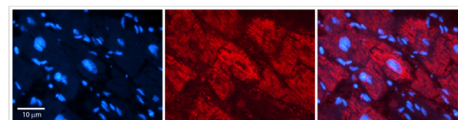
Host	Rabbit
Reactivity	Dog, Guinea Pig, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PS TSFPVPSKFP LGPAAVFGR GETLGPAPRA GGTMKSAEEE HYG YASSN
Sequence Length	716
Applicable Applications for anti-NFATC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Dog: 79%; Guinea Pig: 79%; Human: 100%; Mouse: 79%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human NFATC1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-NFATC1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate
NFATC1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



IHC (Immunohistochemistry)

Rabbit Anti-NFATC1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult heart
Observed Staining: Nuclear, Cytoplasmic
Primary Antibody Concentration: 1:600
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.

ADDITIONAL INFORMATION

Related Product Information for anti-NFATC1 antibody	This is a rabbit polyclonal antibody against NFATC1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.The product of this gene 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. Five transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes.
Product Categories/Family for anti-NFATC1 antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Chromatin & Nuclear Signaling ; Various ; DNA/RNA/Protein Interactions ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	27502393
NCBI GeneID	4772
NCBI Accession #	NP_765978
NCBI GenBank Nucleotide #	NM_172390
UniProt Accession #	Q2M1S3 ; O95644
Molecular Weight	78kDa
NCBI Official Full Name	nuclear factor of activated T-cells, cytoplasmic 1 isoform A
NCBI Official Synonym Full Names	nuclear factor of activated T cells 1
NCBI Official Symbol	NFATC1
NCBI Official Synonym Symbols	NFAT2; NFATc; NF-ATC; NF-ATc1.2
NCBI Protein Information	nuclear factor of activated T-cells, cytoplasmic 1
UniProt Protein Name	Nuclear factor of activated T-cells, cytoplasmic 1
UniProt Gene Name	NFATC1
UniProt Synonym Gene Names	NFAT2; NFATC; NF-ATc1; NFATc1; NF-ATc; NFATc
UniProt Entry Name	NFAC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.