Datasheet for 600-401-CZ2

NAT11 Antibody

Overview

Description:	Anti-NAT11 (RABBIT) Antibody - 600-401-CZ2
Item No.:	600-401-CZ2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	N-terminal acetylation is one of the most common protein modifications in eukaryotes, occurring on approximately 57% and 84% on yeast and human proteins respectively. There are several N-terminal acetylating enzyme complexes (NatA - NatE). Unlike the other complexes, NatD is composed of a single protein, NAT11, and has recently been described to acetylate the Serine N-termini of histones H2A and H4 in yeast. The role these modifications play is unknown; yeast that do not express NAT11 grow at normal rates and have no observable phenotypes. The role of the human homolog is likewise unknown.
Synonyms:	NAT11 Antibody, NAT11, PATT1, NAT11, N-alpha-acetyltransferase 40, N-acetyltransferase 11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NAA40
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NAT11 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human NAT11.

Purity/Specificity:	Anti-NAT11 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NAT11 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q86UY6 • GeneID - 79829 • NCBI - NP_079047

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NAT11 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

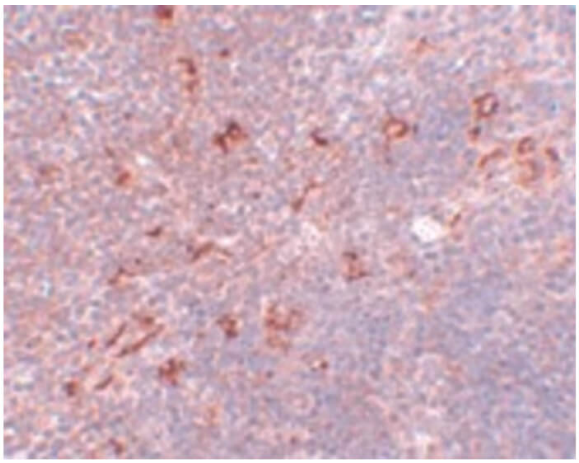
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

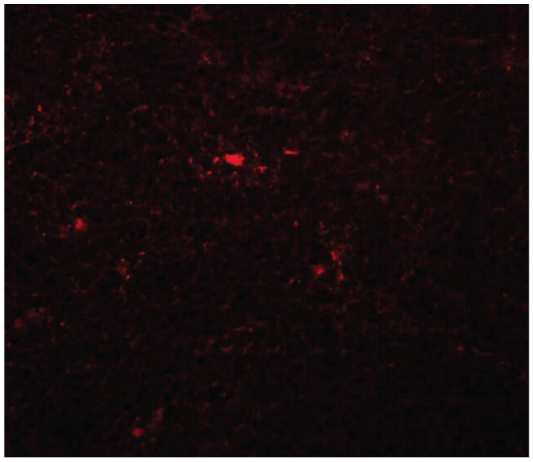
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

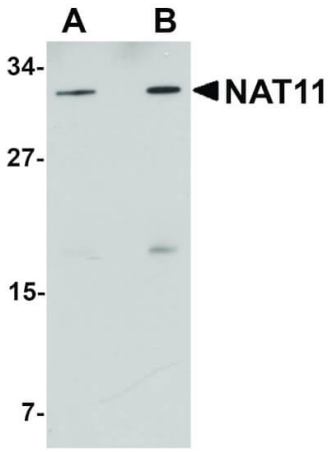
Images



Immunohistochemistry
Immunohistochemistry of NAT11 antibody. Tissue: mouse thymus tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NAT11 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: NAT11 as precipitated brown signal with blue nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of NAT11 antibody. Tissue: Mouse thymus tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NAT11 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: NAT11 as red fluorescent signal.



Western Blot

Western Blot of NAT11 antibody. Lane 1: Human thymus tissue lysate with NAT11 antibody at 1 µg/mL. Lane 2: Human thymus tissue lysate with NAT11 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 27 kDa, 32 kDa for NAT11. Other band(s): NAT11 splice variants and isoforms.

Disclaimer