Datasheet for ABIN6144327

anti-NAA50 antibody (AA 1-169)

4 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	NAA50
Binding Specificity:	AA 1-169
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAA50 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-169 of human NAA50 (NP_079422.1).
Sequence:	MKGSRIELGD VTPHNIKQLK RLNQVIFPVS YNDKFYKDVL EVGELAKLAY FNDIAVGAVC CRVDHSQNQK RLYIMTLGCL APYRRLGIGT KMLNHVLNIC EKDGTFDNIY LHVQISNESA IDFYRKFGFE IIETKKNYYK RIEPADAHVL QKNLKVPSGQ NADVQKTDN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NAA50

Target Details

Alternative Name:	NAA50 (NAA50 Products)
Background:	N-alpha-acetyltransferase that acetylates the N-terminus of proteins that retain their initiating methionine. Has a broad substrate specificity: able to acetylate the initiator methionine of most peptides, except for those with a proline in second position. Also displays N-epsilon-acetyltransferase activity by mediating acetylation of the side chain of specific lysines on proteins. Autoacetylates in vivo. The relevance of N-epsilon-acetyltransferase activity is however unclear: able to acetylate H4 in vitro, but this result has not been confirmed in vivo. Component of N-alpha-acetyltransferase complexes containing NAA10 and NAA15, which has N-alpha-acetyltransferase activity. Does not influence the acetyltransferase activity of NAA10. However, it negatively regulates the N-alpha-acetyltransferase activity of the N-terminal acetyltransferase A complex (also called the NatA complex. The multiprotein complexes probably constitute the major contributor for N-terminal acetylation at the ribosome exit tunnel, with NAA10 acetylating all amino termini that are devoid of methionine and NAA50 acetylating other peptides. Required for sister chromatid cohesion during mitosis by promoting binding of CDCA5/sororin to cohesin: may act by counteracting the function of NAA10.,NAA50,MAK3,NAT13,NAT13P,NAT5,NAT5P,SAN,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,NAA50
Molecular Weight:	9 kDa/19 kDa
Gene ID:	80218
UniProt:	Q9GZZ1

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

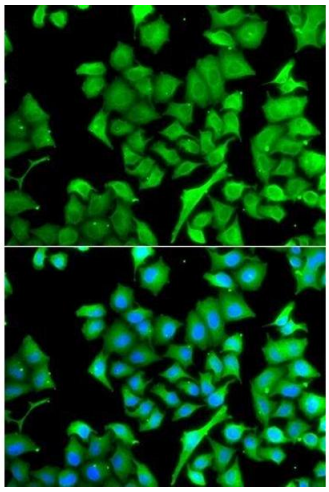
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

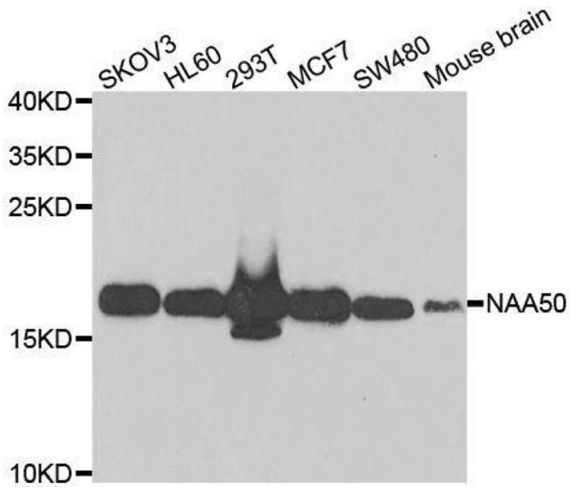
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



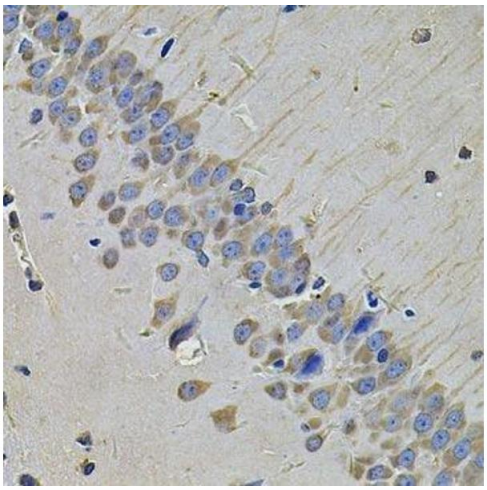
Immunofluorescence

Image 1. Immunofluorescence analysis of A549 cells using NAA50 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NAA50 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded rat brain using NAA50 Antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6144327.