

NAT6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18997c**Specification**

NAT6 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O93015
Other Accession	NP_036323.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31445
Antigen Region	150-179

NAT6 Antibody (Center) - Additional Information**Gene ID** 24142**Other Names**

N-acetyltransferase 6, 231-, Protein fusion-2, Protein fus-2, NAT6, FUS2

Target/Specificity

This NAT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-179 amino acids from the Central region of human NAT6.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NAT6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NAT6 Antibody (Center) - Protein Information**Name** NAA80 {ECO:0000303|PubMed:29581253, ECO:0000312|HGNC:HGNC:30252}**Function** N-alpha-acetyltransferase that specifically mediates the acetylation of the acidic amino

terminus of processed forms of beta- and gamma-actin (ACTB and ACTG, respectively) (PubMed:[29581253](#), PubMed:[30028079](#)). N-terminal acetylation of processed beta- and gamma-actin regulates actin filament depolymerization and elongation (PubMed:[29581253](#)). In vivo, preferentially displays N-terminal acetyltransferase activity towards acid N-terminal sequences starting with Asp-Asp-Asp and Glu-Glu-Glu (PubMed:[29581253](#), PubMed:[30028079](#)). In vitro, shows high activity towards Met-Asp-Glu-Leu and Met-Asp-Asp-Asp (PubMed:[10644992](#), PubMed:[29581307](#)). May act as a tumor suppressor (PubMed:[10644992](#)).

Cellular Location

Cytoplasm, cytosol

Tissue Location

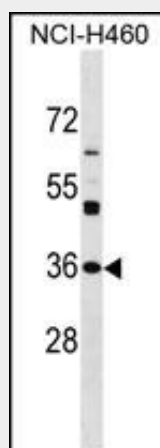
Strongly expressed in heart and skeletal muscle, followed by brain and pancreas, with weak expression in kidney, liver, and lung and no expression in placenta.

NAT6 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NAT6 Antibody (Center) - Images



NAT6 Antibody (Center) (Cat. #AP18997c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the NAT6 antibody detected the NAT6 protein (arrow).

NAT6 Antibody (Center) - Background

NAT6 seems to be involved in N-acetylation. Acts on peptides with a N-terminal Met followed by Asp/Glu/Asn. May act as a tumor suppressor.

NAT6 Antibody (Center) - References

Young, R.P., et al. Postgrad Med J 85(1008):515-524(2009)
Muzny, D.M., et al. Nature 440(7088):1194-1198(2006)
Duh, F.M., et al. Mol. Cell. Probes 18(1):39-44(2004)
Shuttleworth, T.L., et al. J. Biol. Chem. 277(25):23008-23018(2002)
Lerman, M.I., et al. Cancer Res. 60(21):6116-6133(2000)