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NAT6 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18997c

Specification

NAT6 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q93015

NAT6 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 24142

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NAT6 Antibody (Center) Blocking Peptide - 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:30028079, PubMed:29581253). 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:30028079, PubMed:29581253). 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) Blocking Peptide - Protocols

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

- Blocking Peptides

NAT6 Antibody (Center) Blocking Peptide - Images

NAT6 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)