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NARG1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16596a

Specification

NARG1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BXJ9
Other Accession	Q80UM3, NP_476516.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**101272**
Antigen Region	**157-185**

NARG1 Antibody (N-term) - Additional Information

Gene ID 80155

Other Names
N-alpha-acetyltransferase 15, NatA auxiliary subunit, Gastric cancer antigen Ga19, N-terminal acetyltransferase, NMDA receptor-regulated protein 1, Protein tubedown-1, Tbdn100, NAA15, GA19, NARG1, NATH, TBDN100

Target/Specificity
This NARG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 157-185 amino acids from the N-terminal region of human NARG1.

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
NARG1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NARG1 Antibody (N-term) - Protein Information

Name NAA15

Synonyms GA19, NARG1, NATH, TBDN100

Function Auxillary subunit of N-terminal acetyltransferase complexes which display alpha (N-terminal) acetyltransferase (NAT) activity (PubMed:15496142, PubMed:20154145, PubMed:29754825, PubMed:32042062). The NAT activity may be important for vascular, hematopoietic and neuronal growth and development (PubMed:15496142). Required to control retinal neovascularization in adult ocular endothelial cells (PubMed:11687548). In complex with XRCC6 and XRCC5 (Ku80), up-regulates transcription from the osteocalcin promoter (PubMed:12145306).

Cellular Location
Cytoplasm. Nucleus. Note=Mainly cytoplasmic, nuclear in some cases. Present in the free cytosolic and cytoskeleton- bound polysomes, but not in the membrane-bound polysomes

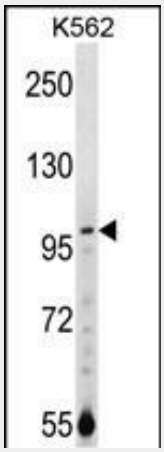
Tissue Location
Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. Overexpressed in gastric cancer, in papillary thyroid carcinomas and in a Burkitt lymphoma cell line (Daudi). Specifically suppressed in abnormal proliferating blood vessels in eyes of patients with proliferative diabetic retinopathy.

NARG1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NARG1 Antibody (N-term) - Images



NARG1 Antibody (N-term) (Cat. #AP16596a) western blot analysis in K562 cell line lysates

(35ug/lane).This demonstrates the NARG1 antibody detected the NARG1 protein (arrow).

NARG1 Antibody (N-term) - Background

This gene encodes a protein of unknown function. However, similarity to proteins in yeast and other species suggests that this protein may be an N-acetyltransferase.

NARG1 Antibody (N-term) - References

Arnesen, T., et al. Mol. Cell. Biol. 30(8):1898-1909(2010)
Polevoda, B., et al. BMC Proc 3 SUPPL 6, S2 (2009) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Arnesen, T., et al. Oncogene 25(31):4350-4360(2006)