

Anti-NARG1 Picoband Antibody
Catalog # ABO10319**Specification**

Anti-NARG1 Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9BXJ9
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for N-alpha-acetyltransferase 15, NatA auxiliary subunit(NAA15) detection. Tested with WB, IHC-P in Human;Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NARG1 Picoband Antibody - 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

Calculated MW

101272 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

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

Tissue Specificity

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. .

Protein Name

N-alpha-acetyltransferase 15, NatA auxiliary subunit

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human NARG1 (244-287aa ADVYRGLQERNPENWAYYYKGLEKALKPANMLERLKIYEEAWTKY), different from the related mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r° Constitution, at 4°C for one month. It° Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-NARG1 Picoband Antibody - 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

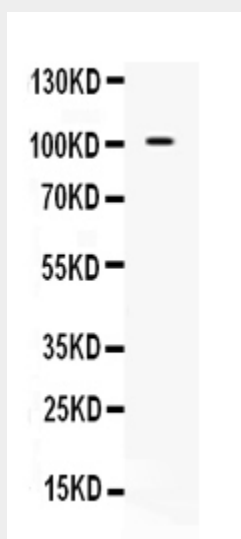
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Anti-NARG1 Picoband Antibody - Protocols

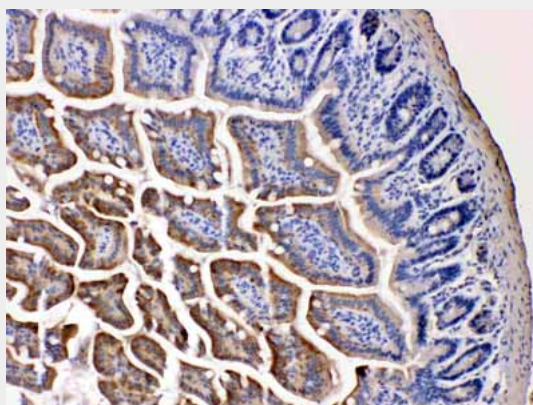
Provided below are standard protocols that you may find useful for product applications.

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

Anti-NARG1 Picoband Antibody - Images



Western blot analysis of NARG1 expression in 293T whole cell lysates (lane 1). NARG1 at 101KD was detected using rabbit anti- NARG1 Antigen Affinity purified polyclonal antibody (Catalog #ABO10319) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .



NARG1 was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti-NARG1 Antigen Affinity purified polyclonal antibody (Catalog # ABO10319) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Anti-NARG1 Picoband Antibody - Background

NMDA receptor-regulated protein 1 (NARG1), also known as GA19 or Tbdn100 is a protein that in humans is encoded by the NAA15 gene. It is mapped to chromosome 4. NARG1 is the auxiliary subunit of the NatA (N ϵ -acetyltransferase A) complex. Both, Naa15 and Naa16 interact with the

ribosome in yeast (via the ribosomal proteins, uL23 and uL29), humans and rat, thereby linking the NatA/Naa10 to the ribosome and facilitating co-translational acetylation of nascent polypeptide chains as they emerges from the exit tunnel. Furthermore, Naa15 might act as a scaffold for other factors, including the chaperone like protein HYPK (Huntingtin Interacting Protein K) and Naa50, the catalytic acetyltransferase subunit of NatE.