

**Anti-NAA15 Antibody**  
**Rabbit polyclonal antibody to NAA15**  
**Catalog # AP59875****Specification**

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**Anti-NAA15 Antibody - Product Information**

Application	WB, IH, IF
Primary Accession	<a href="#">Q9BXJ9</a>
Other Accession	<a href="#">Q80UM3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101272

**Anti-NAA15 Antibody - Additional Information****Gene ID** 80155**Other Names**

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

**Target/Specificity**

Recognizes endogenous levels of NAA15 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)  
IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-NAA15 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: <http://www.uniprot.org/citations/15496142> target="\_blank">15496142</a>, PubMed: <http://www.uniprot.org/citations/20154145>)

target="\_blank">20154145</a>, PubMed:<a href="http://www.uniprot.org/citations/29754825" target="\_blank">29754825</a>, PubMed:<a href="http://www.uniprot.org/citations/32042062" target="\_blank">32042062</a>). The NAT activity may be important for vascular, hematopoietic and neuronal growth and development (PubMed:<a href="http://www.uniprot.org/citations/15496142" target="\_blank">15496142</a>). Required to control retinal neovascularization in adult ocular endothelial cells (PubMed:<a href="http://www.uniprot.org/citations/11687548" target="\_blank">11687548</a>). In complex with XRCC6 and XRCC5 (Ku80), up-regulates transcription from the osteocalcin promoter (PubMed:<a href="http://www.uniprot.org/citations/12145306" target="\_blank">12145306</a>).

### 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

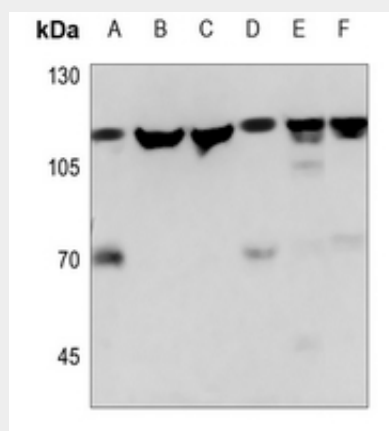
Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. 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.

### Anti-NAA15 Antibody - Protocols

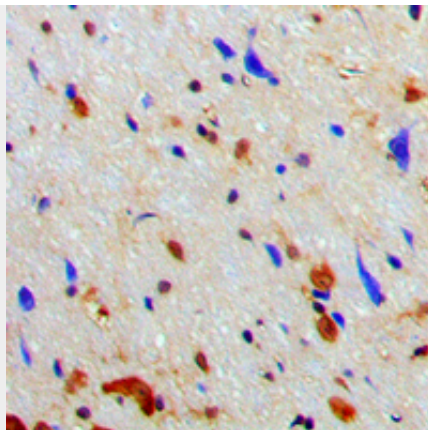
Provided below are standard protocols that you may find useful for product applications.

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

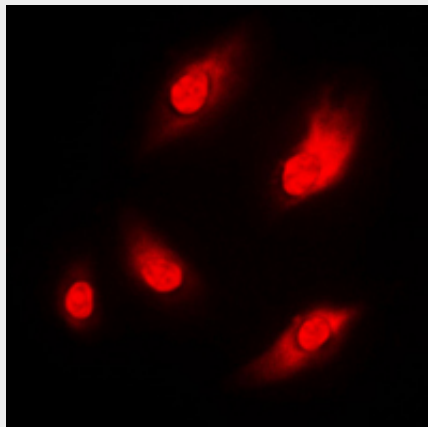
### Anti-NAA15 Antibody - Images



Western blot analysis of NAA15 expression in A549 (A), DLD (B), H446 (C), mouse muscle (D), mouse testis (E), rat muscle (F) whole cell lysates.



Immunohistochemical analysis of NAA15 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NAA15 staining in THP1 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-NAA15 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NAA15. The exact sequence is proprietary.