

**FNTA Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18056a****Specification**

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**FNTA Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P49354</a>
Other Accession	<a href="#">Q04631</a> , <a href="#">Q61239</a> , <a href="#">NP_002018.1</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44409
Antigen Region	51-79

**FNTA Antibody (N-term) - Additional Information****Gene ID** 2339**Other Names**

Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha, CAAX farnesyltransferase subunit alpha, FTase-alpha, Ras proteins prenyltransferase subunit alpha, Type I protein geranyl-geranyltransferase subunit alpha, GGTase-I-alpha, FNTA

**Target/Specificity**

This FNTA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the N-terminal region of human FNTA.

**Dilution**

WB~~1:1000

**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**

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

**FNTA Antibody (N-term) - Protein Information****Name** FNTA

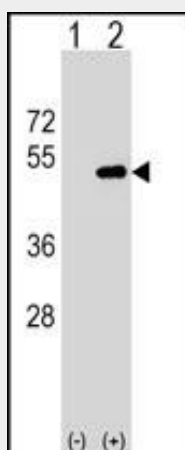
**Function** Essential subunit of both the farnesyltransferase and the geranylgeranyltransferase complex. Contributes to the transfer of a farnesyl or geranylgeranyl moiety from farnesyl or geranylgeranyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic- aliphatic-X. May positively regulate neuromuscular junction development downstream of MUSK via its function in RAC1 prenylation and activation.

### FNTA 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 Cytometry](#)
- [Cell Culture](#)

### FNTA Antibody (N-term) - Images



Western blot analysis of FNTA (arrow) using rabbit polyclonal FNTA Antibody (N-term) (Cat. #AP18056a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FNTA gene.

### FNTA Antibody (N-term) - Background

Prenyltransferases can attach either a farnesyl group or a geranylgeranyl group in thioether linkage to the cysteine residue of proteins with a C-terminal CAAX box. CAAX geranylgeranyltransferase and CAAX farnesyltransferase are heterodimers that share the same alpha subunit but have different beta subunits. This gene encodes the alpha subunit of these transferases. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 11 and 13.

### FNTA Antibody (N-term) - References

Lipkin, S.M., et al. Cancer Prev Res (Phila Pa) 3(5):597-603(2010)  
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Veluthakal, R., et al. Diabetes 56(1):204-210(2007)  
Armstrong, S.A., et al. J. Biol. Chem. 270(14):7864-7868(1995)