

# NACA2 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21718a

## Product Information

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|                   |                                      |
|-------------------|--------------------------------------|
| Application       | WB, E                                |
| Primary Accession | <a href="#">Q9H009</a>               |
| Reactivity        | Human, Mouse                         |
| Predicted         | Rat, Bovine, Canine, Rabbit, Chicken |
| Host              | Rabbit                               |
| Clonality         | polyclonal                           |
| Isotype           | Rabbit IgG                           |
| Clone Names       | RB53418                              |
| Calculated MW     | 23223                                |

## Additional Information

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 342538                                                                                                                                                                       |
| Other Names        | Nascent polypeptide-associated complex subunit alpha-2, Alpha-NAC-like, Hom s 201, Nascent polypeptide-associated complex subunit alpha-like, NAC-alpha-like, NACA2, NACAL   |
| Target/Specificity | This NACA2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 36-69 amino acids from human NACA2.                                 |
| Dilution           | WB~~1:2000 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        | NACA2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                    |

## Protein Information

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|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | NACA2                                                                                                                                         |
| Synonyms | NACAL                                                                                                                                         |
| Function | Prevents inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Binds to nascent polypeptide chains as they |

emerge from the ribosome and blocks their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. Also reduces the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity).

**Cellular Location**

Cytoplasm. Nucleus.

**Tissue Location**

Expressed specifically in testis and skeletal muscle.

## Background

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## References

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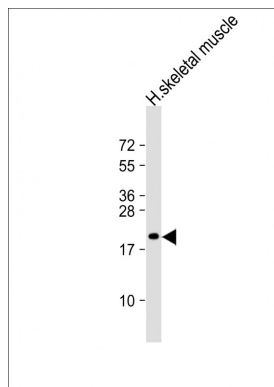
Mossabeb R.,et al.J. Invest. Dermatol. 119:820-829(2002).

Marques A.C.,et al.PLoS Biol. 3:E357-E357(2005).

Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).

## Images

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Anti-NACA2 Antibody (N-Term) at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.