

ARG40460 anti-NACA1 + NACA2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NACA1 + NACA2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NACA1 + NACA2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-215 of Human NACA1 (NP_001106673.1).
Conjugation	Un-conjugated
Alternate Names	NACA1; Alpha-NAC, muscle-specific form; HSD48; skNAC; Nascent polypeptide-associated complex subunit alpha, muscle-specific form

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-87MG	
Observed Size	~ 38 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NACA
Gene Full Name	nascent polypeptide-associated complex alpha subunit
Background	The protein encoded by this gene associates with basic transcription factor 3 (BTF3) to form the nascent polypeptide-associated complex (NAC). NAC binds to nascent proteins as they emerge from the ribosome, blocking interaction with the signal recognition particle (SRP) and preventing mistranslocation to the endoplasmic reticulum. However, nascent proteins with an exposed signal peptide will not be bound by the encoded protein, enabling them to bind the SRP and enter the secretory pathway. This protein has been determined to be an IgE autoantigen in atopic dermatitis patients. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Function	Cardiac- and muscle-specific transcription factor. May act to regulate the expression of genes involved in the development of myotubes. Plays a critical role in ventricular cardiomyocyte expansion and regulates postnatal skeletal muscle growth and regeneration. Involved in the organized assembly of thick and thin filaments of myofibril sarcomeres (By similarity). [UniProt]
Calculated Mw	205 kDa
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images

