

Rabbit NACA Polyclonal Antibody | anti-NACA antibody

Phospho-NACA (Thr159) Antibody

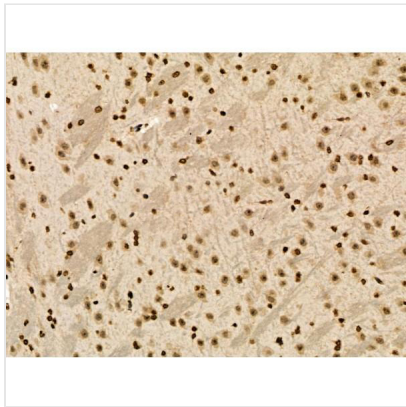
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31427	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Chicken (100%), Xenopus (100%)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

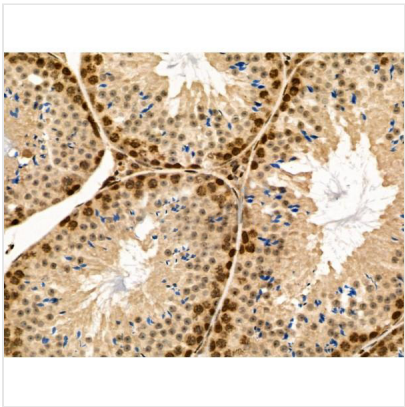
NACA; Polyclonal Antibody; Phospho-NACA (Thr159) Antibody; Alpha NAC; Alpha-NAC; Hom s 2.02; HSD48; MGC117224; NAC-alpha; naca; NACA/1.9.2; NACA_HUMAN; NACA1; Nascent polypeptide associated complex alpha polypeptide; Nascent polypeptide associated complex alpha subunit; Nascent polypeptide associated complex subunit alpha; Nascent polypeptide-associated complex subunit alpha; Alpha NAC like; ANAC; Hom s 2.01; MGC71999; NAC alpha like; NACA2; NACAL; nascent polypeptide associated complex alpha polypeptide like; Nascent polypeptide associated complex subunit alpha 2; anti-NACA antibody

PRODUCT SPECIFICATIONS

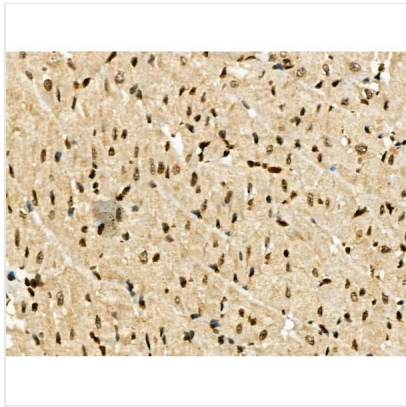
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-NACA (Thr159) Antibody detects endogenous levels of NACA only when phosphorylated at Thr159. Tissue Specificity: Expressed specifically in testis and skeletal muscle.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NACA antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:1000-3000 IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human NACA around the phosphorylation site of Thr159.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation of Thr-159 by GSK3B may promote proteasome mediated degradation (By similarity). Phosphorylation of Ser-43 by ILK during cell adhesion may promote nuclear localization.
Subunit Structure	Part of the nascent polypeptide-associated complex (NAC), consisting of NACA and BTF3. NAC associates with ribosomes through the BTF3 subunit. Both subunits can contact nascent polypeptide chains (By similarity).
Similarity	Belongs to the NAC-alpha family.
Subcellular Location	Cytoplasm. Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



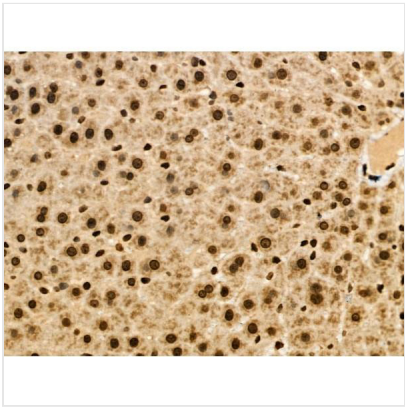
IHC (Immunohistochemistry)
At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



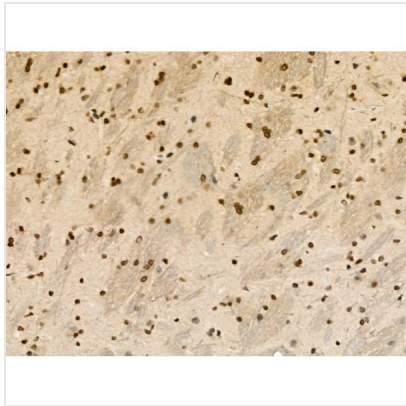
IHC (Immunohistochemistry)
At 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



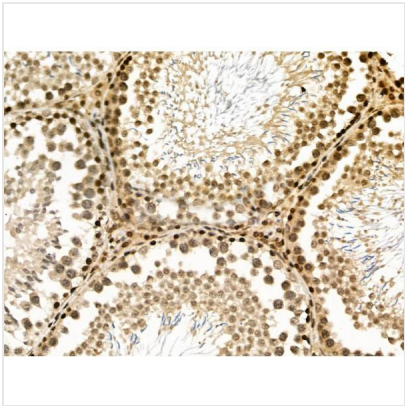
IHC (Immunohistochemistry)
At 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NACA antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	163965364
NCBI GeneID	4666
NCBI Accession #	NP_001106673.1
NCBI GenBank Nucleotide #	NM_001113202.1
UniProt Accession #	Q13765; Q9H009; E9PAV3
Molecular Weight	94,681 Da
NCBI Official Full Name	nascent polypeptide-associated complex subunit alpha isoform b
NCBI Official Synonym Full Names	nascent polypeptide-associated complex alpha subunit
NCBI Official Symbol	NACA
NCBI Official Synonym Symbols	HSD48; NACA1; skNAC
NCBI Protein Information	nascent polypeptide-associated complex subunit alpha; NAC-alpha; alpha-NAC, muscle-specific form; nascent-polypeptide-associated complex alpha polypeptide
UniProt Protein Name	Nascent polypeptide-associated complex subunit alpha
UniProt Gene Name	NACA
UniProt Synonym Gene Names	NAC-alpha
UniProt Entry Name	NACA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/naca-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31427>