

## ARG63741 anti-AKAP9 / AKAP450 / CG-NAP antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes AKAP9 / AKAP450 / CG-NAP
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	ICC/IF, WB
Specificity	This antibody is expected to recognise isoforms 2 and 3 (NP_005742.4; NP_671714.1 respectively). The isoforms Yotiao, AKAP350B and AKAP350C are not recognized.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AKAP9 / AKAP450 / CG-NAP
Species	Human
Immunogen	C-SGSTTQFHAGMR
Conjugation	Un-conjugated
Alternate Names	AKAP 120-like protein; Protein kinase A-anchoring protein 9; LQT11; A-kinase anchor protein 450 kDa; CG-NAP; PPP1R45; A-kinase anchor protein 350 kDa; hgAKAP 350; AKAP-9; MU-RMS-40.16A; AKAP350; YOTIAO; Protein yotiao; Protein hyperion; AKAP 350; PRKA9; A-kinase anchor protein 9; AKAP 450; AKAP450; HYPERION; Centrosome- and Golgi-localized PKN-associated protein

### Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

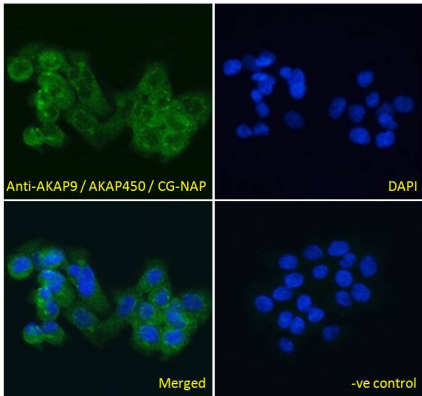
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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 or below. 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

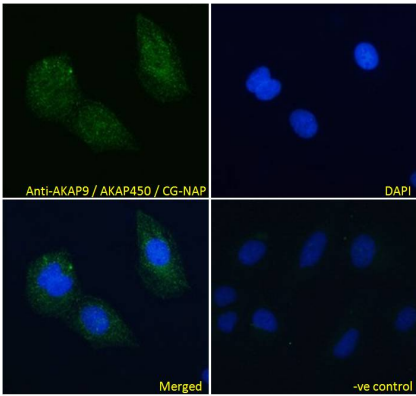
Database links	<a href="#">GeneID: 10142 Human</a>  <a href="#">Swiss-port # Q99996 Human</a>
Background	<p>The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. Alternate splicing of this gene results in at least two isoforms that localize to the centrosome and the Golgi apparatus, and interact with numerous signaling proteins from multiple signal transduction pathways. These signaling proteins include type II protein kinase A, serine/threonine kinase protein kinase N, protein phosphatase 1, protein phosphatase 2a, protein kinase C-epsilon and phosphodiesterase 4D3. [provided by RefSeq, Aug 2008]</p>
Research Area	Controls and Markers antibody
Calculated Mw	453 kDa

## Images



ARG63741 anti-AKAP9 / AKAP450 / CG-NAP antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG63741 anti-AKAP9 / AKAP450 / CG-NAP antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63741 anti-AKAP9 / AKAP450 / CG-NAP antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG63741 anti-AKAP9 / AKAP450 / CG-NAP antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.