

Datasheet for ABIN185354
anti-AKAP9 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	AKAP9
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AKAP9 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	AKAP9 / AKAP450 / CG-NAP
Immunogen:	Peptide with sequence C-SGSTTQFHAGMR, from the C Terminus of the protein sequence according to NP_005742.4, NP_671714.1.
Sequence:	SGSTTQFHAG MR
Isotype:	IgG
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.
Cross-Reactivity:	Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: AKAP9

Alternative Name: AKAP9 ([AKAP9 Products](#))

Background: AKAP9, CG-NAP, PRKA9, YOTIAO, AKAP350, HYPERION, KIAA0803, A kinase (PRKA) anchor protein (yotiao) 9, AKAP120-like protein, kinase N-associated protein, A-kinase anchoring protein 450, A-kinase anchor protein, 350 kDa, protein kinase A anchoring protein 9

Gene ID: 10142

NCBI Accession: [NP_005742](#), [NP_671714](#)

Pathways: [M Phase](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Western Blot: This product has been successfully used by a customer, showing a band at approx 450 kDa in lysates of cell line HepG2 (calculated MW of 453 kDa according to NP_005742.4). Recommended concentration: 1-3 µg/mL.
Peptide ELISA: antibody detection limit dilution 1:64000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/mL.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

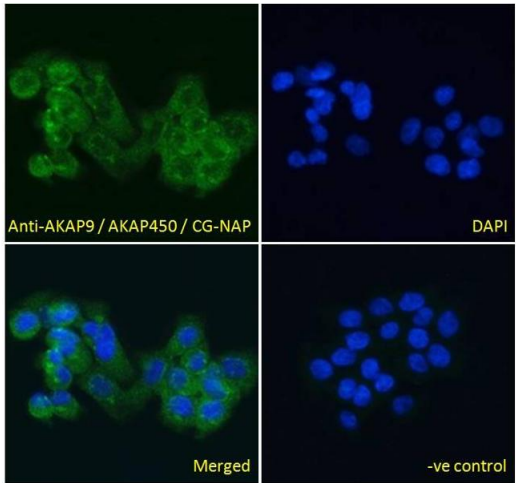
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

Handling

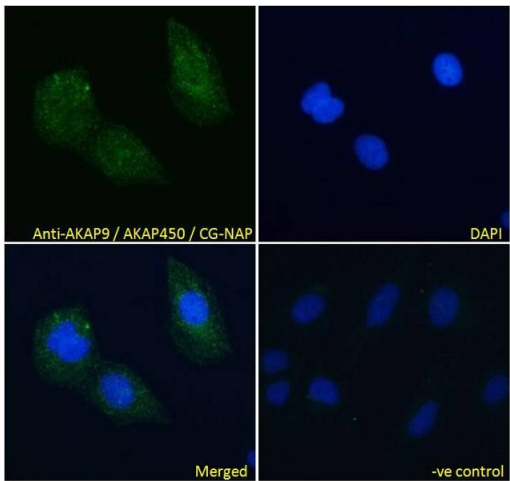
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunofluorescence

Image 1. ABIN185354 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunofluorescence

Image 2. ABIN185354 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b