

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB06654 - Goat Anti-AKAP9 / AKAP450 / CG-NAP Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** 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, 350kDa, protein kinase A anchoring protein 9, centrosome- and golgi-localized protein, AKAP450, MU-RMS-40.16A, A-kinase anchor protein 9, AKAP9-BRAF fusion protein

Official Symbol: AKAP9

Accession Number(s): NP\_005742.4; NP\_671714.1

Human GeneID(s): 10142

**Important Comments:** 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.

## **Immunogen**

Peptide with sequence C-SGSTTQFHAGMR, from the C Terminus of the protein sequence according to NP\_005742.4; NP\_671714.1.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Applications Tested**

**Peptide ELISA:** antibody detection limit dilution 1:64000.

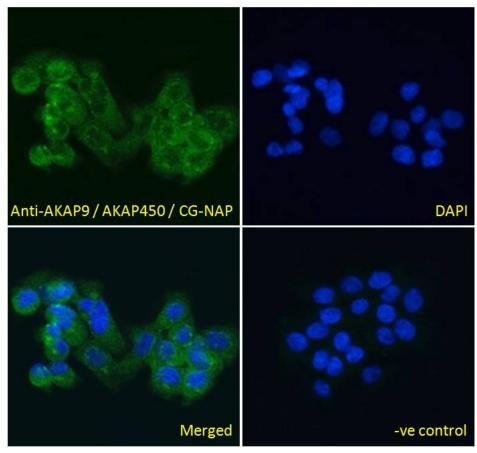
**Western blot:** This product has been successfully used by a customer, showing a band at approx 450kDa in lysates of cell line HepG2 (calculated MW of 453kDa according to NP\_005742.4). Recommended concentration: 1-3µg/ml.

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

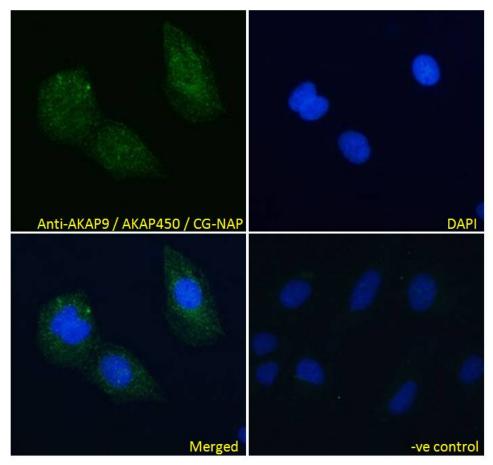
#### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse



EB06654 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 (4ug/ml).



EB06654 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 (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).