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Datasheet for ABIN2780712
anti-AKAP9 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	AKAP9
Binding Specificity:	N-Term
Reactivity:	Human, Dog, Mouse, Cow, Guinea Pig, Horse, Rabbit, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AKAP9
Sequence:	MEDEERQKKL EAGKAKLAQF RQRKAQSDGQ SPSKKQKKKR KTSSSKHDVS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against AKAP9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	AKAP9
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Target Details

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

Background: 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. AKAP9 is a member of the AKAP family. Alternate splicing of this gene results in many isoforms that localize to the centrosome and the Golgi apparatus, and interact with numerous signaling proteins from multiple signal transduction pathways.

Alias Symbols: PRKA9, AKAP-9, CG-NAP, YOTIAO, AKAP350, AKAP450, PPP1R45, HYPERION, MU-RMS-40.16A

Protein Interaction Partner: SAMD3, C1orf94, USHBP1, PRDM14, THAP1, WAC, IKZF3, MAGED1, USO1, BLZF1, SXS2, HNRNPM, MAGEA6, UBC, SUZ12, RNF2, BMI1, SUV39H2, KDM1A, RASSF2, GSK3A, PCNT, PRKACB, PRKACA, CDK5RAP2, gag-pol, TDP2, TSG101, CEBPA, CCNE1, DISC1, TNIK, CDC5L, PMS1, PPP1CA, GRI

Protein Size: 314

Molecular Weight: 36 kDa

Gene ID: 10142

NCBI Accession: [NM_005751](#)

UniProt: [Q6PJH3](#)

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

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 314 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Handling

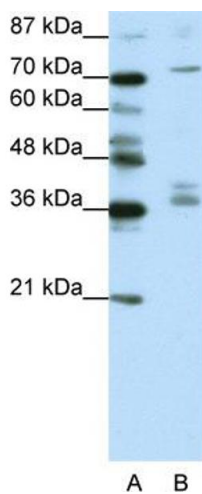
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AKAP9 Antibody Titration: 1.25ug/ml ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that AKAP9 is expressed in Jurkat



Western Blotting

Image 2. WB Suggested Anti-AKAP9 Antibody Titration: 1.25 µg/mL ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that AKAP9 is expressed in Jurkat