

Recombinant Human AKAP1 293 Cell Lysate

Cat. No. AKAP1-8942HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for A kinase (PRKA) anchor protein 1 (AKAP1), nuclear gene encoding mitochondrial protein is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [AKAP1 A kinase \(PRKA\) anchor protein 1 \[Homo sapiens \]](#)

Official Symbol AKAP1

Synonyms

AKAP1; A kinase (PRKA) anchor protein 1; PRKA1; A-kinase anchor protein 1, mitochondrial; AKAP84; AKAP121; AKAP149; D AKAP1; dual specificity A kinase anchoring protein 1; PPP1R43; protein kinase anchoring protein 1; protein phosphatase 1; regulatory subunit 43; S AKAP84; SAKAP84; AKAP 149; D-AKAP-1; protein kinase A1; A-kinase anchor protein 149 kDa; protein kinase A anchoring protein 1; spermatid A-kinase anchor protein 84; protein phosphatase 1, regulatory subunit 43; dual-specificity A-kinase anchoring protein 1; AKAP; D-AKAP1; MGC1807;

Gene ID [8165](#)

mRNA Refseq [NM_001242902](#)

Protein Refseq [NP_001229831](#)

MIM [602449](#)

UniProt ID [Q92667](#)

Chromosome Location 17q21-q23

Pathway Factors involved in megakaryocyte development and platelet production, organism-

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specific biosystem; G Protein Signaling Pathways, organism-specific biosystem;
Hemostasis, organism-specific biosystem;

Function

RNA binding; beta-tubulin binding; microtubule binding; protein binding; protein
complex scaffold; protein domain specific binding; protein kinase A regulatory subunit
binding; protein kinase binding; protein phosphatase 2B binding;

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