

Recombinant Human AKAP7 293 Cell Lysate

Cat. No. AKAP7-8938HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for A kinase (PKA) anchor protein 7 (AKAP7), transcript variant alpha 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

 Tel: 1-631-559-9269 1-516-512-3133

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

GENE INFORMATION

Gene Name	AKAP7 A kinase (PRKA) anchor protein 7 [Homo sapiens]
Official Symbol	AKAP7
Synonyms	AKAP7; A kinase (PRKA) anchor protein 7; A-kinase anchor protein 7 isoform gamma; AKAP15; AKAP18; AKAP 18; PRKA7 isoform gamma; AKAP-7 isoform gamma; PRKA7 isoforms alpha/beta; A-kinase anchor protein 9 kDa; A-kinase anchor protein 18 kDa; AKAP-7 isoforms alpha and beta; A-kinase anchor protein 7 isoforms alpha and beta;
Gene ID	9465
mRNA Refseq	NM_004842
Protein Refseq	NP_004833
MIM	604693
UniProt ID	O43687
Chromosome Location	6q22-q24
Pathway	G Protein Signaling Pathways, organism-specific biosystem;
Function	AMP binding; catalytic activity; protein C-terminus binding; protein complex scaffold; protein domain specific binding; protein kinase A binding; protein kinase A binding;

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protein kinase A regulatory subunit binding; protein kinase binding;

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