Recombinant Human AKAP12 293 Cell Lysate

Cat. No. AKAP12-8941HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for A kinase (PRKA) anchor protein 12 (AKAP12), transcript variant 2 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.

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

GENE INFORMATION

Gene Name	AKAP12 A kinase (PRKA) anchor protein 12 [Homo sapiens]
Official Symbol	AKAP12
Synonyms	AKAP12; A kinase (PRKA) anchor protein 12; A kinase (PRKA) anchor protein (gravin) 12; A-kinase anchor protein 12; AKAP250; gravin; Src Suppressed C Kinase Substrate; SSeCKS; AKAP 250; kinase scaffold protein gravin; A-kinase anchor protein, 250kDa; Src-Suppressed C Kinase Substrate; myasthenia gravis autoantigen gravin; FLJ20945; FLJ97621; DKFZp686M0430; DKFZp686O0331;
Gene ID	9590
mRNA Refseq	NM_005100
Protein Refseq	NP_005091
MIM	604698
UniProt ID	Q02952
Chromosome Location	6q24-q25
Pathway	G Protein Signaling Pathways, organism-specific biosystem;

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Function	adenylate cyclase binding; protein binding; protein kinase A binding;

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