

Recombinant Human AKAP10 cell lysate

Cat. No. AKAP10-44HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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. This gene encodes a member of the AKAP family. The encoded protein interacts with both the type I and type II regulatory subunits of PKA; therefore, it is a dual-specific AKAP. This protein is highly enriched in mitochondria. It contains RGS (regulator of G protein signalling) domains, in addition to a PKA-R11 subunit-binding domain. The mitochondrial localization and the presence of RGS domains may have important implications for the function of this protein in PKA and G protein signal transduction.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AKAP10 A kinase (PRKA) anchor protein 10 [Homo sapiens]
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Official Symbol	AKAP10
Synonyms	AKAP10; A kinase (PRKA) anchor protein 10; A-kinase anchor protein 10, mitochondrial; D AKAP2; dual specificity A kinase anchoring protein 2; MGC9414; mitochondrial A kinase PPKA anchor protein 10; PRKA10; protein kinase A anchoring protein 10; AKAP-10; D-AKAP-2; protein kinase A-anchoring protein 10; a kinase anchor protein 10, mitochondrial; dual specificity A kinase-anchoring protein 2; dual-specificity A-kinase anchoring protein 2; D-AKAP2;
Gene ID	11216
mRNA Refseq	NM_007202
Protein Refseq	NP_009133
MIM	604694
UniProt ID	O43572
Chromosome Location	17p11.1
Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; Hemostasis, organism-specific biosystem;