

Recombinant Human AKAP10 cell lysate

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

SPECIFICATION

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-RII 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]

Official Symbol

AKAP10

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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;

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