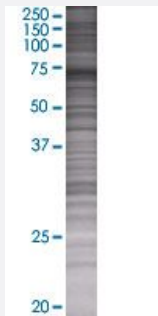


AKAP10 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00011216-T01

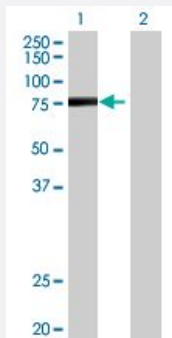
Size 100 uL

Applications



SDS-PAGE Gel

AKAP10 transfected lysate.



Western Blot

Lane 1: AKAP10 transfected lysate (72.93 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AKAP10 full-length
Host	Human
Theoretical MW (kDa)	72.93
Interspecies Antigen Sequence	Mouse (89); Rat (90)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AKAP10 antibody ([H00011216-B01](#)) by Western Blots.
SDS-PAGE Gel
AKAP10 transfected lysate.
Western Blot
Lane 1: AKAP10 transfected lysate (72.93 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AKAP10

Entrez GeneID

[11216](#)

GeneBank Accession#

[NM_007202.2](#)

Protein Accession#

[NP_009133.2](#)

Gene Name

AKAP10

Gene Alias

D-AKAP2, MGC9414, PRKA10

Gene Description

A kinase (PRKA) anchor protein 10

Omim ID

[152430 604694](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

A-kinase anchor protein 10|dual-specificity A-kinase anchoring protein 2|mitochondrial A kinase PPKA anchor protein 10|protein kinase A anchoring protein 10

Disease

- [Adenocarcinoma](#)
- [Arrhythmias](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Long QT Syndrome](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)