

DNAxPAb

Hard-to-Find
Antibody

AKAP10 DNAxPab

Catalog # H00011216-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human AKAP10 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MRGAGPSPRQSPRTLRLPDGPAMSFRRKVKGKEQEKTSDVKSISVHSPQKSTKNHALLE
AAGPSHVAINAISANMDSFSSSRATLKKQPSHMEAAHFGDLGRSCLDYQTQETKSSLSKTLEQV
LHDTIVLPYFIQFMELRRMEHLVKFWLEAESFHSTTWSRIRAHSLNTVKQSSLAEPVSPSKKHETT
ASFLTDSLDRLED SGSAQLFMTHSEGIDLNNRTNSTQNHLLLSQECDSAHSRLRLEMARAGTHQV
SMETQESSSTLTVASRNSPASPLKELSGKLMKSIEQDAVNTFTKYSPDAAKPIPITEAMRNDIARI
CGEDGQVDPNCFVLAQSVFSAMEQEHFSEFLRSHHFCKYQIEVLTS GTVYLADILFCESALFYFS
EYMEKEDAVNILQFWLAADNFQSQLAAKKGQYDGQEAQNDAMILYDKYFSLQATHPLGFDDVVR
LEIESNICREGGPLPNCFTTPLRQAWTTMEKVFLPGFLSSNLYYKYLNDLIHSVRGDEFLGGNVSLT
APGSVGPPDESHPGSSDSSASQSSVKKASIKILKNFDEAIVDAASLDPESLYQRTYAGKMTFGRV
SDLGQFIRESEPEPDVRKSKGSMFQAMKKWVQGNTDEAQEELAWKIAKMIVSDIMQQAQYDQ
PLEKSTKL

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)