

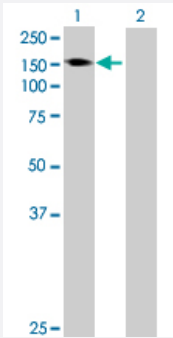
MaxPab®

AKAP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008165-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AKAP1 expression in transfected 293T cell line ([H00008165-T01](#)) by AKAP1 MaxPab polyclonal antibody.

Lane 1: AKAP1 transfected lysate(99.33 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human AKAP1 protein.

Immunogen

AKAP1 (AAH00729.1, 1 a.a. ~ 903 a.a) full-length human protein.

Sequence

MAIQFRSLFPLALPGMLALLGWWWFFSRKKGHVSSHDEQQVEAGAVQLRADPAIKEPLPVEDV
CPKVVSTPPSVTEPPEKELSTVSKLPAEPPALLQTHPPCRRSESSGILPNTTDMRLRPGTRRDDSD
TKLELALTGGEAKSIPLECLSSPKGVLFSSKSAEVCKQDSPFSRVPRKVQPGYPVPAEKRSS
GERARETGGAEGTGDAVLGEKVL EEALLSREHVLELENSKGPSLASLEGEEDKGKSSSSQVVG
PVQEEEYVAEKLPSRFIESAHTELAKDDAAPAPPVADAKAQDRGVEGELGNEESLDRNEEGLD
RNEEGLDRNEESLDRNEEGLDRNEEIKRAAFQIISQVISEATEQVLATTVGKVAGRVCQASQLQG
QKEESCVPVHQKTVLGPDTAEPAEAAVAPPDAGLPLPLPAEGSPPPKTYVSCLKSLSSPT
KDSKPNISAHHISLASCLAL TTPSEELPDRAGILVEDATCVTCMSDSSQSVPLVASPGHCSDSFS
TSGLEDSC TETSSSPRDKAITPPLPESTVPF SNGVLKGELSDLGAEDGWTMDAEADHSGGSDR
NSMDSVDSCCSLKKTESFQNAQAGSNPKKVDLIWEIEVPKHLVGR LIGKQGRYVSFLKQTSGAKI
YSTLPYTSQSVQICHIEGSQHHVDKALNLIGKKFKELNLTNIYAPPLPSLALPSLPMTSWLMLPDGITV
EVIVVNQVNAGHLFVQQHTHTPTFHALRSLDQQMYLCYSQPGIPTLPTPVEITVICAAPGADGAWWR
AQVVASYEETNEVEIRYVHYGGYKRVKVDVLRQIRSDFVTLPFQGAEVLLDSVMPLSDDDDQFSPE
ADAAMSEMTGNTALLAQVTSYSPTGLPLIQLWSVVGDEVVLINRSLVERGLAQWVDSYYTSL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (68); Rat (68)
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.

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[Protocol Download](#)

Gene Info — AKAP1

Entrez GeneID	8165
GeneBank Accession#	BC000729.2
Protein Accession#	AAH00729.1
Gene Name	AKAP1
Gene Alias	AKAP, AKAP121, AKAP149, AKAP84, D-AKAP1, MGC1807, PRKA1, SAKAP84
Gene Description	A kinase (PRKA) anchor protein 1
Omim ID	602449
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 binds to type I and type II regulatory subunits of PKA and anchors them to the mitochondrion. This protein is speculated to be involved in the cAMP-dependent signal transduction pathway and in directing RNA to a specific cellular compartment. [provided by RefSeq]
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Other Designations

A-kinase anchor protein 1|A-kinase anchor protein, 149kD|dual-specificity A-kinase anchoring protein 1|protein kinase A anchoring protein 1|protein kinase A1|spermatid A-kinase anchor protein 84

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)