

Datasheet

AKAP10 monoclonal antibody (M04), clone 8C10

Catalog Number: H00011216-M04

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant AKAP10.

Clone Name: 8C10

Immunogen: AKAP10 (NP_009133, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MRGAGPSRQSPRTLRLPDPGPAMSFRRKVKGKEQE
KTSDVKSISVHSPQKSTKNHALLEAAGPSHVAINA
ISANMDSFSSRTATLKKQPSHMEA

Host: Mouse

Reactivity: Human, Mouse

Applications: ELISA, IHC-P, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 11216

Gene Symbol: AKAP10

Gene Alias: D-AKAP2, MGC9414, PRKA10

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]

References:

1. D-AKAP2 interacts with Rab4 and Rab11 through its RGS domains and regulates transferrin receptor recycling. Eggers CT, Schafer JC, Goldenring JR, Taylor SS. J Biol Chem. 2009 Nov 20;284(47):32869-80. Epub 2009 Sep 21.