Bioworld Technology CO., Ltd.

AKAP 1 (N306) Peptide

Cat No.: BS2498P

Background

AKAP1, also known as AKAP149 in human, AKAP121 in rat, or D-AKAP in mouse is a dual-specificity AKAP which can bind to both RI and RII subunits of PKA with similar affinity. Originally thought to be predominantly restricted to the mitochondria, growing evidence suggests that localization of AKAP1 can be regulated in part by alternative splicing events and that AKAP1 may be present in the endoplasmic reticulum-nuclear envelope membrane network. Peri-nuclear localization, along with the fact that AKAP1 interacts with RNA via one of two nucleotide-binding domains (K homology (KH) and Tudor) have lead some to suggest that AKAP1 may play a role in RNA metabolism. In addition to PKA-RI and -RII, AKAP1 directly interacts with PP1 in a phosphorylation dependent manner and nucleates a complex containing PP2Ac, PKA and RSK1 which modulates RSK1 localization and activity.

Swiss-Prot

Q92667

Applications

Blocking

Specificity

This peptide can be used with studies using BS2498 AKAP 1 (N306) pAb.

Purification & Purity

Synthetic peptide AKAP 1 (N306). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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