

AKAP8L Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17416b

Specification

AKAP8L Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9ULX6](#)

AKAP8L Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 26993

Other Names

A-kinase anchor protein 8-like, AKAP8-like protein, Helicase A-binding protein 95, HAP95, Homologous to AKAP95 protein, HA95, Neighbor of A-kinase-anchoring protein 95, Neighbor of AKAP95, AKAP8L, NAKAP, NAKAP95

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AKAP8L Antibody (C-term) Blocking Peptide - Protein Information

Name AKAP8L

Synonyms NAKAP, NAKAP95

Function

Could play a role in constitutive transport element (CTE)- mediated gene expression by association with DHX9. Increases CTE- dependent nuclear unspliced mRNA export (PubMed:10748171, PubMed:11402034). Proposed to target PRKACA to the nucleus but does not seem to be implicated in the binding of regulatory subunit II of PKA (PubMed:10761695, PubMed:11884601). May be involved in nuclear envelope breakdown and chromatin condensation. May be involved in anchoring nuclear membranes to chromatin in interphase and in releasing membranes from chromating at mitosis (PubMed:11034899). May regulate the initiation phase of DNA replication when associated with TMPO isoform Beta (PubMed:12538639). Required for cell cycle G2/M transition and histone deacetylation during mitosis. In mitotic cells recruits HDAC3

to the vicinity of chromatin leading to deacetylation and subsequent phosphorylation at 'Ser-10' of histone H3; in this function seems to act redundantly with AKAP8 (PubMed:<a href="<http://www.uniprot.org/citations/16980585>" target="_blank">16980585). May be involved in regulation of pre-mRNA splicing (PubMed:<a href="<http://www.uniprot.org/citations/17594903>" target="_blank">17594903).

Cellular Location

Nucleus. Nucleus matrix. Nucleus speckle. Nucleus, PML body. Cytoplasm Note=Colocalizes with PRPF40A in the nuclear matrix (PubMed:16391387) Nuclear at steady state but shuttles between the nucleus and cytoplasm (PubMed:10748171). The shuttling property has been questioned (PubMed:11034899). Colocalizes with EBNA-LP in PML bodies (PubMed:11884601).

Tissue Location

Ubiquitously expressed. Expressed in the brain cortex (at protein level).

AKAP8L Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AKAP8L Antibody (C-term) Blocking Peptide - Images

AKAP8L Antibody (C-term) Blocking Peptide - Background

AKAP8L could play a role in constitutive transport element (CTE)-mediated gene expression. Does not seem to be implicated in the binding of regulatory subunit II of PKA. May be involved in nuclear envelope breakdown and chromatin condensation. May regulate the initiation phase of DNA replication when associated with TMPO-beta.

AKAP8L Antibody (C-term) Blocking Peptide - References

Sugiura, T., et al. *Exp. Cell Res.* 314(7):1519-1528(2008) Kvissel, A.K., et al. *Exp. Cell Res.* 313(13):2795-2809(2007) Ewing, R.M., et al. *Mol. Syst. Biol.* 3, 89 (2007) Olsen, J.V., et al. *Cell* 127(3):635-648(2006) Sayer, J.A., et al. *Neuromolecular Med.* 7(4):297-310(2005)