

AKAP8L Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17416B

Specification

AKAP8L Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9ULX6
Other Accession	O9R0L7 , NP_055186.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71640
Antigen Region	485-512

AKAP8L Antibody (C-term) - 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

Target/Specificity

This AKAP8L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 485-512 amino acids from the C-terminal region of human AKAP8L.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AKAP8L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AKAP8L Antibody (C-term) - 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 chromatin 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:[16980585](#)). May be involved in regulation of pre-mRNA splicing (PubMed:[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

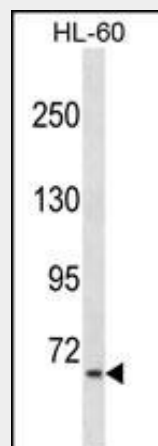
Ubiquitously expressed. Expressed in the brain cortex (at protein level).

AKAP8L Antibody (C-term) - Protocols

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

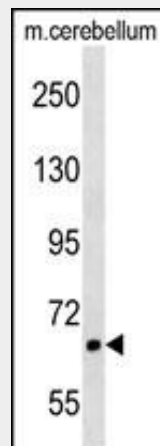
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AKAP8L Antibody (C-term) - Images



AKAP8L Antibody (C-term) (Cat. #AP17416b) western blot analysis in HL-60 cell line lysates

(35ug/lane). This demonstrates the AKAP8L antibody detected the AKAP8L protein (arrow).



AKAP8L Antibody (C-term) (Cat. #AP17416b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the AKAP8L antibody detected the AKAP8L protein (arrow).

AKAP8L Antibody (C-term) - 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) - 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)