

AKAP8L antibody

Product Information

Catalog No.:	FNab00258
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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). (Microbial infection) In case of EBV infection, may target PRKACA to EBNA-LP-containing nuclear sites to modulate transcription from specific promoters(PubMed:11884601). Can synergize with DHX9 to activate the CTE-mediated gene expression of type D retroviruses(PubMed:11402034). In case of HIV-1 infection, involved in the DHX9-promoted annealing of host tRNA(Lys3) to viral genomic RNA as a primer in reverse transcription; in vitro negatively regulates DHX9 annealing activity(PubMed:25034436).

Immunogen information

Immunogen: A kinase(PRKA) anchor protein 8-like

Synonyms: 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

Observed MW: 72 kDa

Uniprot ID : Q9ULX6

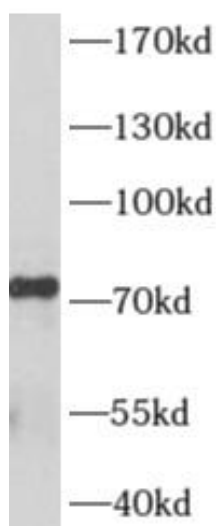
Application

Reactivity: Human

Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:200-1:2000; IF: 1:20-200

Image:



PC-3 cells were subjected to SDS PAGE followed by western blot with FNab00258(AKAP8L Antibody) at dilution of 1:300