Datasheet for ABIN7111158

anti-AKAP8L antibody

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Overview

Quantity:	100 µg
Target:	AKAP8L
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP8L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A kinase(PRKA) anchor protein 8-like
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	AKAP8L
Alternative Name:	AKAP8L (AKAP8L Products)
Background:	Synonyms:A kinase anchor protein 8 like, AKAP8 like protein, AKAP8L, DKFZp434L0650, HA95, HAP95, Helicase A binding protein 95, Homologous to AKAP95 protein, NAKAP, NAKAP95, Neighbor of AKAP95 Background:Could play a role in constitutive transport element(CTE)-mediated gene expression by association with DHX9. Increases CTE-dependent nuclear

Target Details

	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: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).
Molecular Weight:	72 kDa
Gene ID:	26993
UniProt:	Q9ULX6
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:200-1:2000, IF: 1:20-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months