

AKAP8L Polyclonal Antibody

Catalog NumberPA5-30520

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	ELISA (ELISA)	Assay-dependent
Type	Antibody	Immunoprecipitation (IP)	Assay-dependent
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 257 of Human AKAP8L	Western Blot (WB)	1:1,000-1:10,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, Jurkat, Raji. Predicted reactivity: Mouse (93%), Rat (93%), Rhesus Monkey (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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). [UniProt]

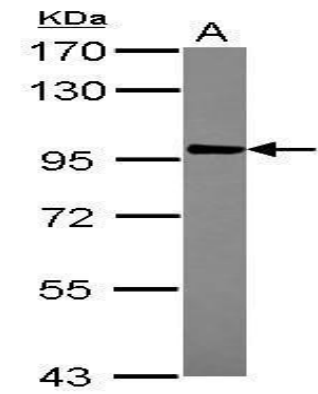
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Product Images For AKAP8L Polyclonal Antibody



AKAP8L Antibody (PA5-30520) in WB
Western Blot using AKAP8L Polyclonal Antibody (Product # PA5-30520). Sample (30 µg of whole cell lysate). Lane A: 293T. 7.5% SDS PAGE. AKAP8L Polyclonal Antibody (Product # PA5-30520) diluted at 1:5,000.

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