

Rabbit AKAP 95 Polyclonal Antibody | anti-AKAP95 antibody

AKAP 95 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294226	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AKAP 95; Polyclonal Antibody; AKAP 95 Polyclonal Antibody; AKAP8; AKAP95; A-kinase anchor protein 8; AKAP-8; A-kinase anchor protein 95 kDa; anti-AKAP95 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-AKAP95 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP95 antibody

Anchoring protein that mediates the subcellular compartmentation of cAMP-dependent protein kinase (PKA type II)(PubMed:10791967, PubMed:11964380). May help to deliver cyclin D/E to CDK4 to facilitate cell cycle progression (PubMed:14641107). 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 may act redundantly with AKAP8L (PubMed:16980585). Involved in nuclear retention of RPS6KA1 upon ERK activation thus inducing cell proliferation (PubMed:22130794). May be involved in regulation of DNA replication by acting as scaffold for MCM2 (PubMed:12740381). Enhances HMT activity of the KMT2 family MLL4/WBP7 complex and is involved in transcriptional regulation. In a teratocarcinoma cell line is involved in retinoic acid-mediated induction of developmental genes implicating H3 'Lys-4' methylation (PubMed:23995757). May be involved in recruitment of active CASP3 to the nucleus in apoptotic cells (PubMed:16227597). May act as a carrier protein of GJA1 for its transport to the nucleus (PubMed:26880274). Seems to involved in modulation of rDNA transcription. Preferentially binds GC-rich DNA in vitro and associates to GC-rich ribosomal RNA promoters (PubMed:26683827). Involved in modulation of Toll-like receptor signaling. Required for the cAMP-dependent suppression of TNF-alpha in early stages of LPS-induced macrophage activation; the function probably implicates targeting of PKA to NFKB1 (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031579
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NCBI GeneID	10270
NCBI Accession #	NP_005849.1
NCBI GenBank Nucleotide #	NM_005858.3
UniProt Accession #	O43823
Molecular Weight	76,108 Da
NCBI Official Full Name	A-kinase anchor protein 8
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 8
NCBI Official Symbol	AKAP8
NCBI Official Synonym Symbols	AKAP-8; AKAP95; AKAP 95; AKAP-95
NCBI Protein Information	A-kinase anchor protein 8; A-kinase anchor protein, 95kDa
UniProt Protein Name	A-kinase anchor protein 8
UniProt Gene Name	AKAP8
UniProt Synonym Gene Names	AKAP95; AKAP-8; AKAP 95
UniProt Entry Name	AKAP8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/akap-95-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/294226>