

Rabbit anti-Human, Mouse AKAP8/AKAP95 Polyclonal Antibody | anti-AKAP8/AKAP95 antibody

Rabbit anti-AKAP8/AKAP95 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211302	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

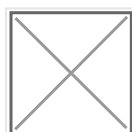
PRODUCT SYNONYMS

AKAP8/AKAP95; Polyclonal Antibody; Rabbit anti-AKAP8/AKAP95 Antibody; Affinity Purified; AKAP-8; A-kinase anchor protein; 95kDa; A-kinase anchor protein 95 kDa; A-kinase anchor protein 8; AKAP-95; AKAP 95; A kinase (PRKA) anchor protein 8; AKAP95; A-kinase anchoring protein 8; anti-AKAP8/AKAP95 antibody

PRODUCT SPECIFICATIONS

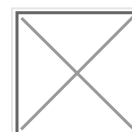
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-AKAP8/AKAP95 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 642 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human AKAP8/AKAP95 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-AKAP8/AKAP95 antibody AAA211302 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. AKAP8/AKAP95 was also immunoprecipitated by rabbit anti-AKAP8/AKAP95 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 seconds (A and B).



IHC (Immunohistochemistry)

Detection of human and mouse AKAP8/AKAP95 by immunohistochemistry. Sample: FFPE section of human breast carcinoma (left) and mouse teratoma (right). Antibody: Affinity purified rabbit anti-AKAP8/AKAP95 (Cat. No. AAA211302) used at a dilution of 1:1,000 (0.2ug/ml) and 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP8/AKAP95 antibody	AKAP8/AKAP95 has been characterized as a 95 kDa protein kinase A (PKA)-anchoring protein and regulatory subunit of PKA that functions to recruit the condensin complex for chromosome condensation during mitosis. A role in DNA replication has also been demonstrated through its interaction with the pre-replication complex component, MCM2 (mini-chromosome maintenance 2). Inhibition of AKAP8/AKAP95 association with MCM2 inhibits replication initiation and elongation in vitro. AKAP8/AKAP95 has also been shown to be involved in apoptosis. KAP8/AKAP95 associates with caspase 3 and serves as a carrier to transport caspase 3 from the cytoplasm to the nucleus to induce morphological changes in the nucleus.
Product Categories/Family for anti-AKAP8/AKAP95 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031579
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/akap8-akap95-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211302>