Rabbit anti-Human AKAP 95/AKAP8 Polyclonal Antibody | anti-AKAP8 antibody

Anti-AKAP 95/AKAP8 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19538	**Rabbit**	**Human**	**Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA**

PRODUCT SYNONYMS

AKAP 95/AKAP8; Polyclonal Antibody; Anti-AKAP 95/AKAP8 Antibody Picoband; anti-AKAP8 antibody

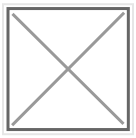
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-AKAP8 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10^6 cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human AKAP 95/AKAP8 recombinant protein (Position: T380-F546).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

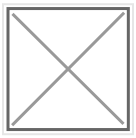
IMAGES

FCM (Flow Cytometry)
Figure 8. Flow Cytometry analysis of A431 cells using anti-AKAP 95/AKAP8 antibody (AAA19538).Overlay histogram showing A431 cells stained with AAA19538 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

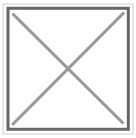
IF (Immunofluorescence)
Figure 7. IF analysis of AKAP 95/AKAP8 using anti-AKAP 95/AKAP8 antibody (AAA19538).AKAP 95/AKAP8 was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



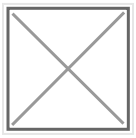
IHC (Immunohistchemistry)
Figure 6. IHC analysis of AKAP 95/AKAP8 using anti-AKAP 95/AKAP8 antibody (AAA19538).AKAP 95/AKAP8 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 5. IHC analysis of AKAP 95/AKAP8 using anti-AKAP 95/AKAP8 antibody (AAA19538).AKAP 95/AKAP8 was detected in a paraffin-embedded section of human gastric adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 4. IHC analysis of AKAP 95/AKAP8 using anti-AKAP 95/AKAP8 antibody (AAA19538).AKAP 95/AKAP8 was detected in a paraffin-embedded section of human gall bladder adenosquamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of AKAP 95/AKAP8 using anti-AKAP 95/AKAP8 antibody (AAA19538).AKAP 95/AKAP8 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-AKAP 95/AKAP8 Antibody (AAA19538) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP8 antibody	A-kinase anchor protein 8 is an enzyme that, in humans, is encoded by the AKAP8 gene. This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins are scaffold proteins that contain a binding domain for the RI/RII subunit of protein kinase A (PKA) and recruit PKA and other signaling molecules to specific subcellular locations. This gene encodes a nuclear A-kinase anchor protein that binds to the RII alpha subunit of PKA and may play a role in chromosome condensation during mitosis by targeting PKA and the condensin complex to chromatin. A pseudogene of this gene is located on the short arm of chromosome 9.
Product Categories/Family for anti-AKAP8 antibody	Primary Antibodies, Rabbit Polyclonal 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/akap-95-akap8-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19538