

Rabbit anti-Human AKAP4 Polyclonal Antibody | anti-AKAP4 antibody

AKAP4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40794	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

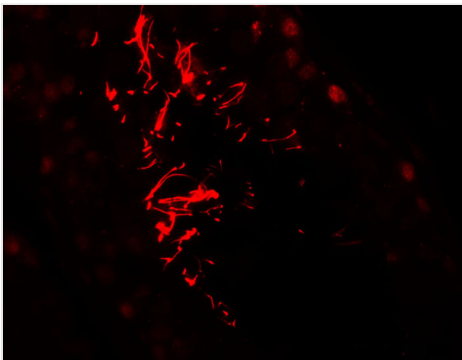
PRODUCT SYNONYMS

AKAP4; Polyclonal Antibody; AKAP4 Antibody; A-kinase anchor protein 4; AKAP-4; AKAP82; hAKAP82; CT99; FSC1; HI; PRKA4; A kinase (PRKA) anchor protein 4; anti-AKAP4 antibody

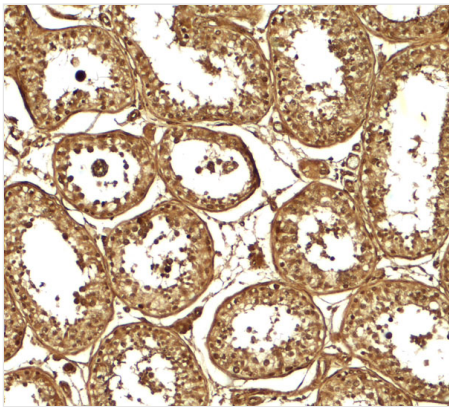
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AKAP4 antibody is human specific. At least three isoforms are known to exist; this antibody will detect the two longest isoforms.
Purity/Purification	AKAP4 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	854
Applicable Applications for anti-AKAP4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	AKAP4 antibody was raised against a 17 amino acid peptide near the amino terminus of human AKAP4.
Buffer	AKAP4 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	AKAP4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

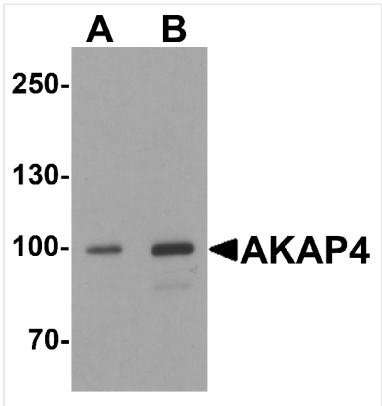
IMAGES



IF (Immunofluorescence)
Immunofluorescence of AKAP4 in human testis tissue with AKAP4 antibody at 20 µg/ml.



IHC (Immunohistochemistry)
Immunohistochemistry of AKAP4 in human testis tissue with AKAP4 antibody at 5 µg/ml.



WB (Western Blot)
Western blot analysis of AKAP4 in human testis tissue lysate with AKAP4 antibody at (A) 1 and (B) 2 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP4 antibody

The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell (1). AKAP4, also known as hAKAP82, is a major sperm fibrous sheath protein that localizes to the entire length of the flagellum of human sperm (2). It has been suggested that AKAP4 plays multiple roles in sperm motility and regulation of signal transduction pathways (2). AKAP4 has also been postulated to be a potential biomarker for breast cancer (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493037
NCBI GeneID	8852
NCBI Accession #	NP_003877
NCBI GenBank Nucleotide #	NM_003886.2
UniProt Accession #	Q5JQC9; O60904; O95246; Q5JQD1; Q5JQD2; Q5JQD3; A0AV85
Molecular Weight	Predicted: 94 kDa Observed: 100 kDa
NCBI Official Full Name	A-kinase anchor protein 4 isoform 1
NCBI Official Synonym Full Names	A kinase (PRKA) anchor protein 4

NCBI Official Symbol	AKAP4
NCBI Official Synonym Symbols	HI; p82; CT99; FSC1; PRKA4; AKAP-4; AKAP82; AKAP 82; hAKAP82
NCBI Protein Information	A-kinase anchor protein 4; AKAP4; testis-specific gene HI; cancer/testis antigen 99; A-kinase anchor protein 82 kDa; major sperm fibrous sheath protein; protein kinase A anchoring protein 4; protein kinase A-anchoring protein 4
UniProt Protein Name	A-kinase anchor protein 4
UniProt Gene Name	AKAP4
UniProt Synonym Gene Names	AKAP-4; AKAP 82; hAKAP82; HI; PRKA4
UniProt Entry Name	AKAP4_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/akap4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40794>