

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

AKAP4 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287375	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

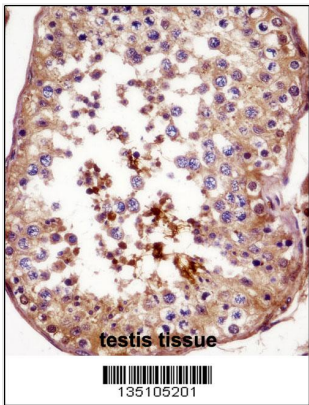
PRODUCT SYNONYMS

AKAP4; Polyclonal Antibody; AKAP4 Antibody (N-term); A-kinase anchor protein 4; AKAP-4; A-kinase anchor protein 82 kDa; AKAP 82; hAKAP82; Major sperm fibrous sheath protein; HI; Protein kinase A-anchoring protein 4; PRKA4; AKAP4 HGNC:374; AKAP82; anti-AKAP4 antibody

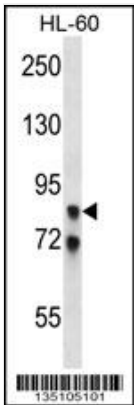
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AKAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-36 amino acids from the N-terminal region of human AKAP4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	10-36
Sequence Length	845
Applicable Applications for anti-AKAP4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
AKAP4 Antibody (N-term) (AAA287375)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of AKAP4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
AKAP4 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the AKAP4 antibody detected the AKAP4 protein (arrow).

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. This gene encodes a member of the AKAP family. The encoded protein is localized to the sperm flagellum and may be involved in the regulation of sperm motility. Alternative splicing of this gene results in two transcript variants encoding different isoforms.
Product Categories/Family for anti-AKAP4 antibody	Signal Transduction
References	Moretti, E., et al. Asian J. Androl. 9(5):641-649(2007) Lefievre, L., et al. Proteomics 7(17):3066-3084(2007) Ross, M.T., et al. Nature 434(7031):325-337(2005) Brown, P.R., et al. Biol. Reprod. 68(6):2241-2248(2003) Ficarro, S., et al. J. Biol. Chem. 278(13):11579-11589(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493037
NCBI GeneID	8852
NCBI Accession #	NP_003877.2; NP_647450.1
NCBI GenBank Nucleotide #	NM_003886.2
UniProt Accession #	Q5JQC9; O60904; O95246; Q5JQD1; Q5JQD2; Q5JQD3; A0AV85
Molecular Weight	94477
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

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-immunohistochemistry-western-blot-elisa/287375>