

Rabbit anti-Human, Mouse AKAP6 Polyclonal Antibody | anti-AKAP6 antibody

AKAP6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327690	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AKAP6; Polyclonal Antibody; AKAP6 Antibody; A kinase (PRKA) anchor protein 6; A kinase anchor protein 100; A kinase anchor protein 100 kDa; A kinase anchor protein 6; ADAP 100; ADAP 6; ADAP100; ADAP6; AKAP 100; AKAP 6; AKAP100; Human A kinase anchor protein AKAP100; KIAA0311; mAKAP; PRKA 6; PRKA6; Protein kinase A anchoring protein 6; anti-AKAP6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	AKAP6 antibody detects endogenous levels of total AKAP6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2319
Applicable Applications for anti-AKAP6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AKAP6
Subcellular Location	Sarcoplasmic reticulum and nuclear membrane in heart muscle.
Tissue Specificity	Highly expressed in cardiac and skeletal muscle, followed by brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327690 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of AKAP6 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP6 antibody	Function: Binds to type II regulatory subunits of protein kinase A and anchors/targets them to the nuclear membrane or sarcoplasmic reticulum. May act as an adapter for assembling multiprotein complexes. Subunit Structure: Interacts with RII subunit of PKA, phosphatase 2B (calcineurin) and AKAP79. Interacts with SYNPO2. Similarity: RII-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21493045
NCBI GeneID	9472
NCBI Accession #	NP_004265.3
NCBI GenBank Nucleotide #	NM_004274.4
UniProt Accession #	Q13023; O15028; A7E242; A7E2D4
Molecular Weight	Observed: 257 kDa Predicted: 257 kDa
NCBI Official Full Name	A-kinase anchor protein 6
NCBI Official Synonym Full Names	A-kinase anchoring protein 6
NCBI Official Symbol	AKAP6
NCBI Official Synonym Symbols	ADAP6; PRKA6; mAKAP; ADAP100; AKAP100
NCBI Protein Information	A-kinase anchor protein 6
UniProt Protein Name	A-kinase anchor protein 6
UniProt Gene Name	AKAP6
UniProt Synonym Gene Names	AKAP100; KIAA0311; AKAP-6; AKAP 100; PRKA6

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/akap6-antibody-immunohistochemistry-western-blot-elisa/327690>