
Product Name: AKAP6 Rabbit Polyclonal Antibody**Catalog #: APRab06729**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:50-1:300,ICC/IF 1:50-1:200
Molecular Weight	255kDa

Antigen Information

Gene Name	AKAP6
Alternative Names	AKAP100 KIAA0311
Gene ID	9472.0
SwissProt ID	Q13023
Immunogen	Synthesized peptide derived from human protein . at AA range: 30-110

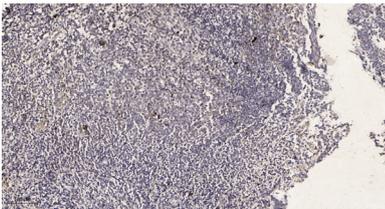
Background

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 highly expressed in various brain regions and cardiac and

skeletal muscle. It is specifically localized to the sarcoplasmic reticulum and nuclear membrane, and is involved in anchoring PKA to the nuclear membrane or sarcoplasmic reticulum. [provided by RefSeq, Jul 2008],domain: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.,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.,similarity: Contains 2 spectrin repeats.,subcellular location: In heart muscle. Participation of multiple targeting signals allow correct intracellular targeting. These may be repeated motifs rich in basic and hydrophobic amino acids, palmitoylated/myristoylated motifs or alternatively splice targeting sequences.,subunit: Interacts with RII subunit of PKA, phosphatase 2B (calcineurin) and AKAP79.,tissue specificity: Highly expressed in cardiac and skeletal muscle, followed by brain.,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .