SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-AKAP6 antibody

SL7904R

Product Name:	AKAP6
Chinese Name:	蛋白激酶A锚定蛋白6抗体
Alias:	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; AKAP6_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	257kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AKAP6:1451-1650/2319
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. AKAP6 is

	a member of the AKAP family. It 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. **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:** Interacts with RII subunit of PKA, phosphatase 2B (calcineurin) and AKAP79. **Subcellular Location:** Sarcoplasmic reticulum. Nucleus membrane. Note=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. **Tissue Specificity:** Highly expressed in cardiac and skeletal muscle, followed by brain. **Similarity:** Contains 2 spectrin repeats. **SWISS:** Q13023 **Gene ID:** 9472 **Database links:** UniProtKB/Swiss-Prot: Q13023.3 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.