



## Mouse anti-Human AKAP6 monoclonal antibody, clone 3F9 (CABT-B9741)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Immunogen</b>	AKAP6 (NP_004265, 2221 a.a. ~ 2319 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3F9
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	RAEVGKEVNGLPQTSSGCAENLEFTPSKLDSEKESGGKPGESGMPEEHNAASAKSKVQDL SLKANQPTDKAALHPSPKLTCEENLLNLHEKRHRNMH*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### BACKGROUND

<b>Introduction</b>	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
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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]

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<b>Keywords</b>	AKAP6; A kinase (PRKA) anchor protein 6; ADAP6; PRKA6; mAKAP; ADAP100; AKAP100; A-kinase anchor protein 6; AKAP-6; AKAP 100; A-kinase anchor protein 100 kDa; protein kinase A anchoring protein 6; protein kinase A-anchoring protein 6;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">9472</a>
<b>UniProt ID</b>	<a href="#">Q13023</a>
<b>Pathway</b>	G Protein Signaling Pathways, organism-specific biosystem
<b>Function</b>	enzyme binding; protein N-terminus binding; protein binding; protein complex scaffold; protein kinase A binding; protein kinase A binding; protein kinase A regulatory subunit binding; receptor binding

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