AKAP6 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	AKAP6, Monoclonal Antibody
Full Product Name	AKAP6 (A Kinase (PRKA) Anchor Protein 6, ADAP100, ADAP6, AKAP100, KIAA0311, MGC165020, PRKA6, mAKAP) (MaxLight 405)
Product Gene Name	anti-AKAP6 antibody
Product Synonym Names	A Kinase (PRKA) Anchor Protein 6; ADAP100; ADAP6; AKAP100; KIAA0311; MGC165020; PRKA6; mAKAP
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	200000000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes AKAP6.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	AKAP6 (NP_004265.3, 2221aa-2318aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RAEVGKEVNGLPQTSSGCAENLEFTPSKLDSEKESSGKPGESGMPEEHNAASAKSKVQDLSLKANQPTDKAALHPSPKTLTCEENLLNLHEKRHRNMH
Conjugate	MaxLight405
Product Categories/Family for anti-AKAP6 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-AKAP6 antibody	FLISA, Western Blot (WB)
Application Notes for anti-AKAP6 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AKAP6 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 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]
Other Notes	Small volumes of anti-AKAP6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for AKAP6 purchase	MBS6194430 is an antibody targeting AKAP6. Also known as AKAP6 (A Kinase (PRKA) Anchor Protein 6, ADAP100, ADAP6, AKAP100, KIAA0311, MGC165020, PRKA6, mAKAP) (MaxLight 405). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AKAP6. It may not necessarily be applicable to this product.

NCBI GI #	21493045
NCBI GeneID	9472
NCBI Accession #	NP_004265.3
UniProt Secondary Accession #	O15028; A7E242; A7E2D4
UniProt Related Accession #	Q13023
GenBank Nucleotide #	NM_004274.4
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
Protein Family	A-kinase anchor protein
NCBI Protein Information	A-kinase anchor protein 6
Research Articles on AKAP6	**1.** This study expands our understanding of the regulation of MEF2 in skeletal muscle and identifies the mAKAP scaffold as a facilitator of MEF2 transcription and myogenic differentiation.
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