Mouse anti-Human, Mouse AKAP10 Monoclonal Antibody | anti-AKAP10 antibody

AKAP10 (A-kinase Anchor Protein 10, Mitochondrial, AKAP-10, Dual Specificity A Kinase-anchoring Protein 2, D-AKAP-2, Protein Kinase A-anchoring Protein 10, PRKA10) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25017	**Mouse**	**Human, Mouse**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

AKAP10; Monoclonal Antibody; AKAP10 (A-kinase Anchor Protein 10; Mitochondrial; AKAP-10; Dual Specificity A Kinase-anchoring Protein 2; D-AKAP-2; Protein Kinase A-anchoring Protein 10; PRKA10) (FITC); anti-AKAP10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	8C10
Specificity	Recognizes human AKAP10. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-AKAP10 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 0.5ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-101 from AKAP10 (NP_009133) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRGAGPSPRQSPRTLRPDPGPAMSFFRRKVKGKEQEKTSDVKSIKASISVHSPQKSTKNHALLEAAGPSHVAINAISANMDSFSSSRTATLKKQPSHMEA
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
AKAP10 monoclonal antibody Western Blot analysis of AKAP10 expression in Raw 264.7.

WB (Western Blot)
RNAi Knockdown: Western blot analysis of AKAP10-over-expressing 293 cell line, cotransfected with AKAP10 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with Cat. # 123131. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged AKAP10 is ~0.03ng/ml as a capture antibody.

IHC (Immunohistochemistry)
Immunoperoxidase staining of AKAP10 on formalin-fixed paraffin-embedded human testis using Cat. # 123131 at 0.5ug/ml.

WB (Western Blot)
Western Blot analysis of AKAP10 expression in transfected 293T cell line using Cat. # 123131: Lane 1: AKAP10 transfected lysate (73.8kD); Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (37.11kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-AKAP10 antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	21493033
NCBI GeneID	11216
NCBI Accession #	NP_009133
NCBI GenBank Nucleotide #	NM_007202
UniProt Accession #	O43572
Molecular Weight	71kDa
NCBI Official Full Name	A-kinase anchor protein 10, mitochondrial isoform 1
NCBI Official Synonym Full Names	A-kinase anchoring protein 10
NCBI Official Symbol	AKAP10
NCBI Official Synonym Symbols	PRKA10; AKAP-10; D-AKAP2; D-AKAP-2
NCBI Protein Information	A-kinase anchor protein 10, mitochondrial
UniProt Protein Name	A-kinase anchor protein 10, mitochondrial
UniProt Gene Name	**AKAP10**
UniProt Synonym Gene Names	AKAP-10; D-AKAP-2; PRKA10
UniProt Entry Name	AKA10_HUMAN

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/monoclonal/akap10-antibody-clone-8c10-immunohistochemistry-western-blot-elisa/25017