Mouse PRKAR1B Monoclonal Antibody | anti-PRKAR1B antibody

PRKAR1B antibody

CATALOG #	HOST	APPLICATIONS
AAA106585	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PRKAR1B; Monoclonal Antibody; PRKAR1B antibody; Monoclonal PRKAR1B; Anti-PRKAR1B; Protein Kinase Camp-Dependent Regulatory Type I Beta; PRKAR1; PRKARB 1; PRKARB-1; anti-PRKAR1B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A3
Purity/Purification	PRKAR1B antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-PRKAR1B antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism.
Cross-Reactivity	Human
Immunogen	PRKAR1B antibody was raised in mouse using a full length recombinant protein of human PRKAR1B (NP_002726) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PRKAR1B protein using PRKAR1B antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PRKAR1B protein (Right) or empty vector (Left) detected with PRKAR1B antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PRKAR1B protein (red) or empty vector (blue) stained using PRKAR1B antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAR1B antibody	Mouse monoclonal PRKAR1B antibody
Product Categories/Family for anti-PRKAR1B antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	38257139
NCBI GeneID	5575
NCBI Accession #	NP_002726
NCBI GenBank Nucleotide #	NM_002735.2
UniProt Accession #	P31321; Q8N422
Molecular Weight	43,073 Da
NCBI Official Full Name	cAMP-dependent protein kinase type I-beta regulatory subunit
NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, regulatory, type I, beta
NCBI Official Symbol	PRKAR1B
NCBI Official Synonym Symbols	PRKAR1
NCBI Protein Information	cAMP-dependent protein kinase type I-beta regulatory subunit
UniProt Protein Name	cAMP-dependent protein kinase type I-beta regulatory subunit
UniProt Gene Name	**PRKAR1B**
UniProt Entry Name	KAP1_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/prkar1b-antibody-clone-2a3-western-blot-immunofluorescence-flow-cytometry-elisa/106585