Mouse PRKCE Monoclonal Antibody | anti-PRKCE antibody

PRKCE antibody

CATALOG #	HOST	APPLICATIONS
AAA108136	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PRKCE; Monoclonal Antibody; PRKCE antibody; Monoclonal PRKCE; Anti-PRKCE; Protein kinase C epsilon; PKCE; nPKC-epsilon; MGC125656; anti-PRKCE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1B4
Purity/Purification	PRKCE 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	737
Applicable Applications for anti-PRKCE antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calciumand the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and areknown to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. this kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis.
Cross-Reactivity	Human, Dog, Monkey
Immunogen	PRKCE antibody was raised in mouse using a full length recombinant protein of human PRKCE (NP_005391) 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 PRKCE protein using PRKCE antibody

IHC (Immunohistochemisry)
Immunohistochemical analysis of PRKCE protein in paraffin embedded Human prostate tissue using PRKCE antibody

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

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

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCE antibody	Mouse monoclonal PRKCE antibody
Product Categories/Family for anti-PRKCE antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885563
NCBI GeneID	5581
NCBI Accession #	NP_005391.1
NCBI GenBank Nucleotide #	NM_005400.2
Molecular Weight	83,674 Da
NCBI Official Full Name	protein kinase C epsilon type
NCBI Official Synonym Full Names	protein kinase C, epsilon
NCBI Official Symbol	PRKCE
NCBI Official Synonym Symbols	PKCE; nPKC-epsilon
NCBI Protein Information	protein kinase C epsilon type
UniProt Protein Name	Protein kinase C epsilon type
UniProt Gene Name	**PRKCE**
UniProt Synonym Gene Names	PKCE
UniProt Entry Name	KPCE_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/prkce-antibody-clone-1b4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/108136