

Rabbit Prkca Polyclonal Antibody | anti-Prkca antibody

Mouse Prkca Antibody (N-term)

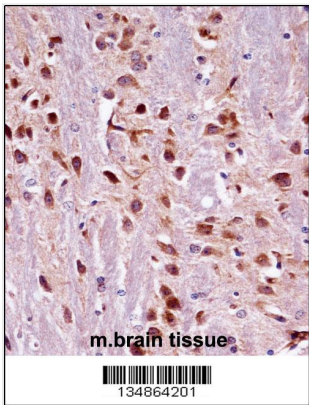
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284753	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

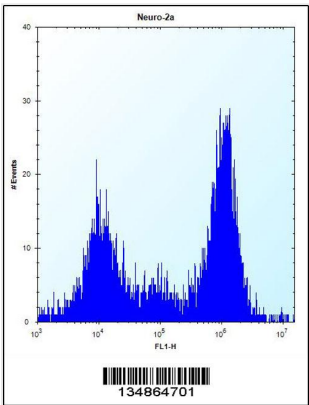
Prkca; Polyclonal Antibody; Mouse Prkca Antibody (N-term); Protein kinase C alpha type; PKC-A; PKC-alpha; Pkca; anti-Prkca antibody

PRODUCT SPECIFICATIONS

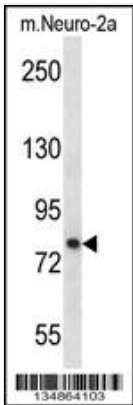
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Prkca antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of mouse Prkca.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.38 (varies by lot)
Sequence Positions	1-30
Sequence Length	672
Applicable Applications for anti-Prkca antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



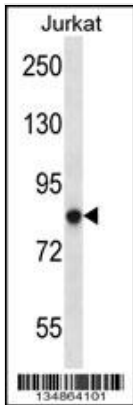
IHC (Immunohistochemistry)
Mouse Prkca Antibody (N-term) (AAA284753) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Prkca Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)
Mouse Prkca Antibody (N-term) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Mouse Prkca Antibody (N-term) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Prkca antibody detected the Prkca protein (arrow).



WB (Western Blot)
Mouse Prkca Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the Prkca antibody detected the Prkca protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Prkca antibody	This is a calcium-activated, phospholipid-dependent, serine-and threonine-specific enzyme. May play a role in cell motility by phosphorylating CSPG4 (By similarity). PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.
Product Categories/Family for anti-Prkca antibody	Cancer; Cardiovascular; Signal transduction
References	Yang, L., et al. Biochem. Biophys. Res. Commun. 400(1):16-20(2010) Jin, K., et al. J. Neurosci. 30(36):11902-11916(2010) Peng, H., et al. Pflugers Arch. 460(4):791-802(2010) Wu, M., et al. Dev. Cell 19(1):114-125(2010) Debata, P.R., et al. Biochem. Biophys. Res. Commun. 397(3):401-406(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	164663791
NCBI GeneID	18750
NCBI Accession #	NP_035231.2

NCBI GenBank Nucleotide #	NM_011101.3
UniProt Accession #	P20444
Molecular Weight	76852
NCBI Official Full Name	protein kinase C alpha type
NCBI Official Synonym Full Names	protein kinase C, alpha
NCBI Official Symbol	Prkca
NCBI Official Synonym Symbols	Pkca; AI875142
NCBI Protein Information	protein kinase C alpha type
UniProt Protein Name	Protein kinase C alpha type
UniProt Gene Name	Prkca
UniProt Synonym Gene Names	Pkca; PKC-A; PKC-alpha
UniProt Entry Name	KPCA_MOUSE

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://www.aaabiotech.com/polyclonal/prkca-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/284753>