

Mouse PKCdelta Monoclonal Antibody | anti-PKCdelta antibody

PKCdelta (N-terminal region) Antibody

CATALOG # AAA71685	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PKCdelta; Monoclonal Antibody; PKCdelta (N-terminal region) Antibody; PKCdelta (N-terminal region); anti-PKCdelta antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	M242
Specificity	This antibody detects a 78kDa* protein corresponding to the molecular mass of PKCdelta on SDS-PAGE immunoblots of adult mouse brain tissue lysate.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-PKCdelta antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone (M242) was generated from a recombinant human protein that included amino acids residues in the N-terminal region. This sequence is conserved in rat and mouse PKCdelta, and has low homology to other PKC family members.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of PKCdelta in rat PC12 cells differentiated with NGF. The cells were labeled with mouse monoclonal PKCdelta (N-terminal region) antibody, then detected using appropriate secondary antibody conjugated to Cy3.



WB (Western Blot)

Western blot analysis of adult mouse brain tissue lysate. The blot was probed with mouse monoclonal anti-PKCdelta (N-terminal region) at 1:125 (lane 1) and 1:500 (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-PKCdelta antibody	The Protein Kinase C (PKC) family of homologous serine/threonine protein kinases is involved in a number of processes such as growth, differentiation, and cytokine secretion. At least eleven isozymes have been described. PKC consists of a single polypeptide chain containing four conserved regions (C) and five variable regions (V). The N-terminal half interacts with PKC activators Ca2+, phospholipid, diacylglycerol, or phorbol ester, while the C-terminal half contains the catalytic domain. The conventional PKC subfamily (alpha, beta1, beta11, and gamma) is regulated by both Ca2+ and diacylglycerol. The PKC pathway represents a major signal transduction system that is activated following ligand-stimulation of transmembrane receptors by hormones, neurotransmitters, and growth factors. The phosphorylation of multiple sites in PKCs regulates their activity.
References	Kawakami et al. (2003) PNAS. USA 100:9470-9475. Nishizuka, Y. (1988) Nature 334:661.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31377782
NCBI GeneID	5580
NCBI Accession #	NP_006245.2
NCBI GenBank Nucleotide #	NM_006254.3
UniProt Accession #	Q05655; Q15144; Q86XJ6; B0KZ81; B2R834
Molecular Weight	77,505 Da
NCBI Official Full Name	protein kinase C delta type
NCBI Official Synonym Full Names	protein kinase C, delta
NCBI Official Symbol	PRKCD
NCBI Official Synonym Symbols	MAY1; PKCD; nPKC-delta
NCBI Protein Information	protein kinase C delta type; protein kinase C delta VIII; tyrosine-protein kinase PRKCD
UniProt Protein Name	Protein kinase C delta type
UniProt Gene Name	PRKCD
UniProt Synonym Gene Names	SDK1
UniProt Entry Name	KPCD_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/pkcdelta-antibody-clone-m242-immunocytochemistry-western-blot-elisa/71685>