

Rabbit anti-Human, Mouse PKCB1 Polyclonal Antibody | anti-PKCB1 antibody

PKCB1 Antibody

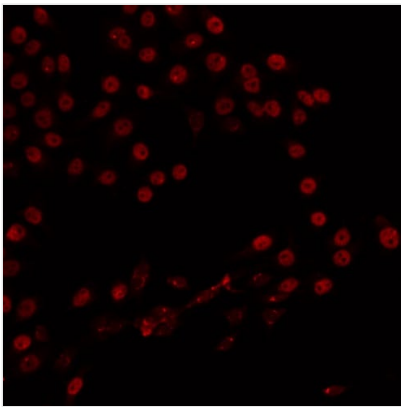
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321065	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

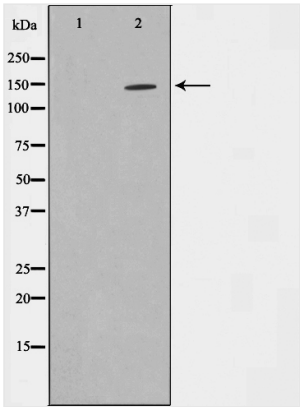
PKCB1; Polyclonal Antibody; PKCB1 Antibody; CTCL tumor antigen se14 3; Cutaneous T cell lymphoma associated antigen se14 3; KIAA1125; MGC31836; predicted protein of HQ2893; PRKCBP 1; PRO2893; Protein kinase C binding protein 1; Rack7; Zinc finger MYND domain containing protein 8; ZMYND 8; ZMYND8; anti-PKCB1 antibody

PRODUCT SPECIFICATIONS

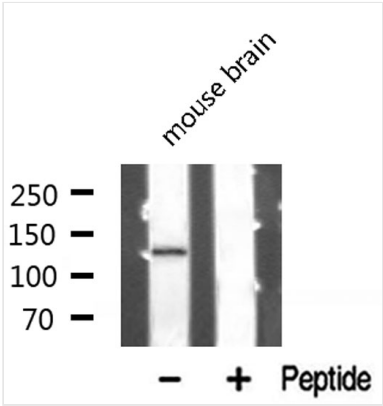
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PKCB1 antibody detects endogenous levels of PKCB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1054
Applicable Applications for anti-PKCB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PKCB1
Subcellular Location	Nuclear
Tissue Specificity	Expressed in all tissues examined with highest expression in brain, lung, pancreas, and placenta. Expressed in cutaneous T-cell lymphomas (CTCL).
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (91%), Bovine (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)
AAA321065 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis on 293 cell lysate using PKCB1 Antibody, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of PKCB1 expression in Mouse brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PKCB1 antibody	Description: The protein encoded by this gene is a receptor for activated C-kinase (RACK) protein. The encoded protein has been shown to bind in vitro to activated protein kinase C beta I. In addition, this protein is a cutaneous T-cell lymphoma-associated antigen. Finally, the protein contains a bromodomain and two zinc fingers, and is thought to be a transcriptional regulator. Multiple transcript variants encoding several different isoforms have been found for this gene.
	Function: May act as a transcriptional corepressor for KDM5D. Required for KDM5D-mediated down-regulation of diverse metastasis-associated genes; the function seems to involve the recognition of the dual histone signature H3K4me1-H3K14ac. Suppresses prostate cancer cell invasion.
	Subunit Structure: Interacts in vitro with PRKCB1 (PubMed:11003709). Interacts with KDM5D and KDM1A. Interacts with histone H3 (via N-terminus) that is both methylated at 'Lys-4' (H3K4me1) and acetylated at 'Lys-14' (H3K14ac), and with histone H3 (via N-terminus) unmodified at 'Lys-4' (H3K4me0) and acetylated at 'Lys-14' (H3K14ac).

NCBI AND UNIPROT INFORMATION

NCBI GI #	528881103
NCBI GeneID	23613
NCBI Accession #	NP_001268700.1
NCBI GenBank Nucleotide #	NM_001281771.2

UniProt Accession #	Q9ULU4; Q13517; Q2HXV1; B3KVL2; B7Z2A8; B7Z3E0; B7Z680; B7ZM62; E1P5U5; F5H0X3; H7C0U2; J3KPU3
Molecular Weight	Observed: 132 kDa Predicted: 132 kDa
NCBI Official Full Name	protein kinase C-binding protein 1 isoform e
NCBI Official Synonym Full Names	zinc finger MYND-type containing 8
NCBI Official Symbol	ZMYND8
NCBI Official Synonym Symbols	RACK7; PRKCBP1; PRO2893
NCBI Protein Information	protein kinase C-binding protein 1
UniProt Protein Name	Protein kinase C-binding protein 1
UniProt Gene Name	ZMYND8
UniProt Synonym Gene Names	KIAA1125; PRKCBP1; RACK7; CTCL-associated antigen se14-3

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/polyclonal/pkcb1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321065>