

Rabbit CAMK2N1 Polyclonal Antibody | anti-CAMK2N1 antibody

CAMK2N1 Antibody (C-term)

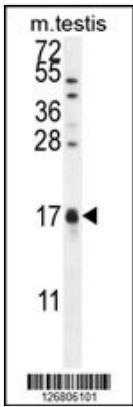
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284100	Rabbit	Human, Mouse Predicted Reactivity: Bovine, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

CAMK2N1; Polyclonal Antibody; CAMK2N1 Antibody (C-term); Calcium/calmodulin-dependent protein kinase II inhibitor 1; CaMKII inhibitory protein alpha; CaMKIIN-alpha; anti-CAMK2N1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Bovine, Rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMK2N1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the C-terminal region of human CAMK2N1.
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.
Sequence Positions	37-65
Sequence Length	78
Applicable Applications for anti-CAMK2N1 antibody	ELISA, WB (Western Blot)
Function	Potent and specific inhibitor of CaM-kinase II (CAMK2).
Cellular Location	Cell junction, synapse, synaptosome. Cell junction, synapse, postsynaptic density
Tissue Location	Widely expressed. Not detected in skeletal muscle.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
CAMK2N1 Antibody (C-term) (AAA284100) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the CaMK2N1 antibody detected the CaMK2N1 protein (arrow).

ADDITIONAL INFORMATION

References	Wang, C., et al. J. Biol. Chem. 283(17):11565-11574(2008) Meng, F., et al. Brain Res. 967 (1-2), 161-169 (2003) : Sedelnikova, A., et al. Int. J. Dev. Neurosci. 20 (3-5), 237-246 (2002) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31324543
NCBI GeneID	55450
NCBI Accession #	NP_061054.2
NCBI GenBank Nucleotide #	NM_018584.5
UniProt Accession #	Q7Z7J9
Molecular Weight	8553
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase II inhibitor 1
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II inhibitor 1
NCBI Official Symbol	CAMK2N1
NCBI Official Synonym Symbols	PRO1489
NCBI Protein Information	calcium/calmodulin-dependent protein kinase II inhibitor 1
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase II inhibitor 1
UniProt Gene Name	CAMK2N1
UniProt Synonym Gene Names	CaMKIIN-alpha
UniProt Entry Name	CK2N1_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.