

Rabbit CAMK2D (CAMK2 delta) Polyclonal Antibody | anti-CAMK2D antibody

CAMK2D (CAMK2 delta) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287978	Rabbit	Human, Monkey (Predicted Reactivity: Mouse, Pig, Rabbit)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CAMK2D (CAMK2 delta); Polyclonal Antibody; CAMK2D (CAMK2 delta) Antibody (C-term); Calcium/calmodulin-dependent protein kinase type II subunit delta; CaM kinase II subunit delta; CaMK-II subunit delta; CAMK2D; CAMKD; anti-CAMK2D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey (Predicted Reactivity: Mouse, Pig, Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMK2D (CAMK2 delta) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 448-478 amino acids from the C-terminal region of human CAMK2D (CAMK2 delta).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.98 (varies by lot)
Sequence Positions	448-478
Sequence Length	499
Applicable Applications for anti-CAMK2D antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with CAMK2 delta Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-CAMK2delta C-term Pab is used in Western blot to detect CAMK2 delta in serum-starved HeLa cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK2D antibody	CaM-kinase II (CAMK2) is a prominent Ser/Thr protein kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Likely autophosphorylation of Thr-286 allows the kinase to switch from a calmodulin-dependent to a calmodulin-independent state. CAMK2 is composed of four different chains: alpha, beta, gamma, and delta. The different isoforms assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits. Expression of CAMK2 delta is significantly increased in patients suffering from dilated cardiomyopathy.
Product Categories/Family for anti-CAMK2D antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Rochlitz, H., et al., Diabetologia 43(4):465-473 (2000). Hoch, B., et al., Circ. Res. 84(6):713-721 (1999). Tombes, R.M., et al., Biochim. Biophys. Acta 1355(3):281-292 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	26667180
NCBI GeneID	817
NCBI Accession #	NP_001212.2; NP_742112.1; NP_742113.1; NP_742125.1; NP_742126.1; NP_742127.1
NCBI GenBank Nucleotide #	NM_001221.3
UniProt Accession #	Q13557; Q52PK4; Q59G21; Q8N553; Q9UGH6; Q9UQE9; A8MVS8
Molecular Weight	56369
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit delta isoform 3
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II delta
NCBI Official Symbol	CAMK2D
NCBI Official Synonym Symbols	CAMKD
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit delta
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit delta
UniProt Gene Name	CAMK2D
UniProt Synonym Gene Names	CAMKD; CaM kinase II subunit delta; CaMK-II subunit delta
UniProt Entry Name	KCC2D_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.