

Rabbit Camk2d Polyclonal Antibody | anti-Camk2d antibody

Mouse Camk2d Antibody (Center)

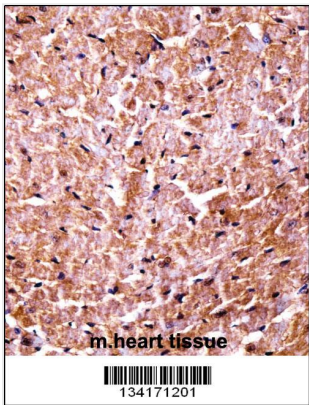
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289236	Rabbit	Human, mouse (Predicted Reactivity: Zebrafish, Rat, Bovine, Chicken, Pig, Rabbit, Xenopus)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

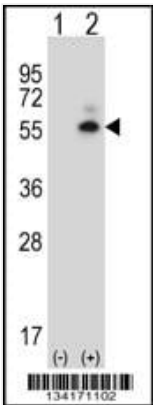
Camk2d; Polyclonal Antibody; Mouse Camk2d Antibody (Center); Calcium/calmodulin-dependent protein kinase type II subunit delta; CaM kinase II subunit delta; CaMK-II subunit delta; Kiaa4163; anti-Camk2d antibody

PRODUCT SPECIFICATIONS

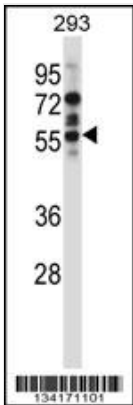
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Zebrafish, Rat, Bovine, Chicken, Pig, Rabbit, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Camk2d antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-250 amino acids from the Central region of mouse Camk2d.
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: 0.48 (varies by lot)
Sequence Positions	221-250
Sequence Length	499
Applicable Applications for anti-Camk2d antibody	IHC (Immunohistochemistry), 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.



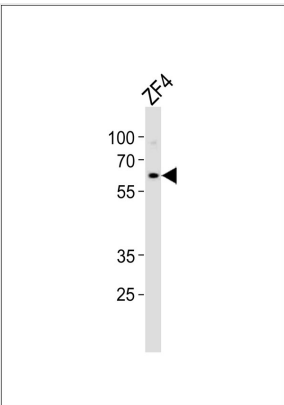
IHC (Immunohistochemistry)
Mouse Camk2d Antibody (Center) (AAA289236)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Camk2d Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of Camk2d (arrow) using rabbit polyclonal Mouse Camk2d Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Camk2d gene.



WB (Western Blot)
Mouse Camk2d Antibody (Center) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the Camk2d antibody detected the Camk2d protein (arrow).



WB (Western Blot)
Western blot analysis of lysate from ZF4 cell line, using (DANRE) camk2d2 Antibody. AAA289236 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-Camk2d antibody	CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release (By similarity).
Product Categories/Family for anti-Camk2d antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Martinez-Pena y Valenzuela, I., et al. J. Neurosci. 30(37):12455-12465(2010) Toko, H., et al. Circulation 122(9):891-899(2010) Kushnir, A., et al. Proc. Natl. Acad. Sci. U.S.A. 107(22):10274-10279(2010) Mangmool, S., et al. J. Cell Biol. 189(3):573-587(2010) Koval, O.M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(11):4996-5000(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	70906477
NCBI GeneID	108058
NCBI Accession #	NP_001020609.1; NP_001020610.1; NP_076302.1
NCBI GenBank Nucleotide #	NM_001025438.2

UniProt Accession #	Q6PHZ2; Q3UF87; Q3UQH9; Q5DTK4; Q8CAC5; Q9CZE2
Molecular Weight	56369
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit delta isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II, delta
NCBI Official Symbol	Camk2d
NCBI Official Synonym Symbols	CaMK II; [d]-CaMKII; 2810011D23Rik; 8030469K03Rik
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	Kiaa4163; CaM kinase II subunit delta; CaMK-II subunit delta
UniProt Entry Name	KCC2D_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/camk2d-antibody-immunohistochemistry-western-blot-elisa/289236>