

Datasheet for ABIN2856806

anti-CAMK2D antibody

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Overview

Quantity:	100 µL
Target:	CAMK2D
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMK2D antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CaMKII delta. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	Cross-reactivity may occur with other CaM kinase II subunits.
Cross-Reactivity:	Human, Mouse, Rabbit, Rat, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to CaMKII delta (calcium/calmodulin-dependent protein kinase II delta) CaMKII delta antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	CAMK2D
Alternative Name:	calcium/calmodulin dependent protein kinase II delta (CAMK2D Products)
Background:	<p>The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.</p>
Molecular Weight:	56 kDa
Gene ID:	817
UniProt:	Q13557
Pathways:	WNT Signaling , Interferon-gamma Pathway , Myometrial Relaxation and Contraction , Smooth Muscle Cell Migration

Application Details

Application Notes:	WB: 1:500-1:50000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A549 , H1299 , HCT116 , 293T , A431 , HeLa , HepG2 , mouse brain , rat brain Validation: KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.62 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

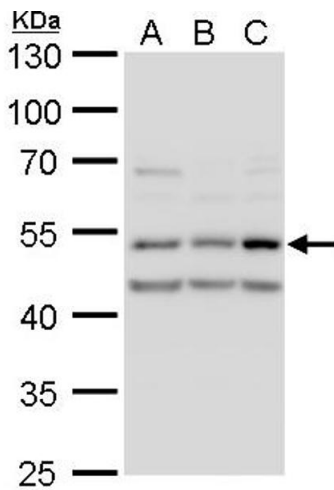
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

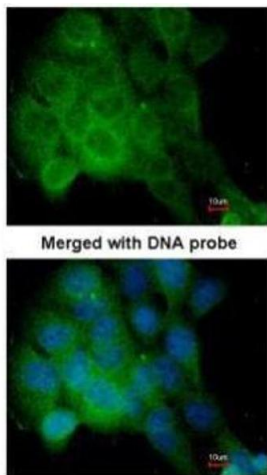
Product cited in:	Tang, Lee, Kim, Bishop, Rodgers: "siRNA-knockdown of ADAMTS-13 modulates endothelial cell angiogenesis." in: Microvascular research , Vol. 113, pp. 65-70, (2018) (PubMed).
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Validation report #100014 for Immunofluorescence (IF)



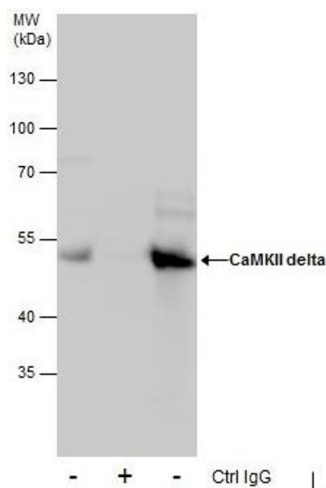
Western Blotting

Image 1. WB Image CaMK2D antibody detects CaMK2D protein by western blot analysis. A. 30 µg A549 whole cell lysate/extract B. 30 µg H1299 whole cell lysate/extract C. 30 µg HCT116 whole cell lysate/extract 10 % SDS-PAGE CaMK2D antibody , dilution: 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using CaMKII delta, antibody at 1:200 dilution.



Immunoprecipitation

Image 3. IP Image Immunoprecipitation of CaMKII delta protein from HepG2 whole cell extracts using 5 µg of CaMKII delta antibody, Western blot analysis was performed using CaMKII delta antibody, EasyBlot anti-Rabbit IgG was used as a secondary reagent.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2856806.