Datasheet for ABIN7266021

anti-CAMK4 antibody

6 Images

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Overview

Quantity:	100 µL
Target:	CAMK4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CAMK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	CAMKIV Rabbit mAb
Immunogen:	A synthesized peptide derived from human CAMKIV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CAMK4
Alternative Name:	CAMK4 (CAMK4 Products)
Background:	The product of this gene belongs to the serine/threonine protein kinase family, and to the

Target Details

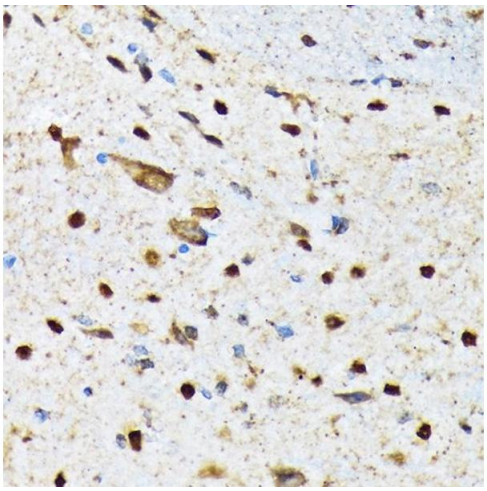
	Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq, Jul 2008],CaMK IV, CaMK-GR, caMK,B Cell Receptor Signaling Pathway,Calcium Signaling,Cell Biology & Developmental Biology,Cytoskeleton_Microtubules,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,Neuroscience,Signal Transduction,T Cell Receptor Signaling Pathway,CAMK4
Molecular Weight:	52kDa
Gene ID:	814
UniProt:	Q16566
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Production of Molecular Mediator of Immune Response, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

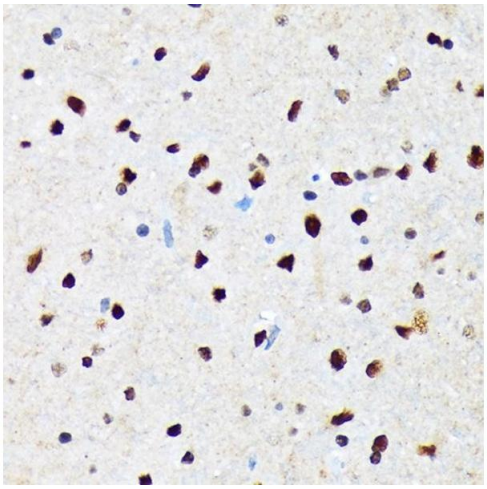
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



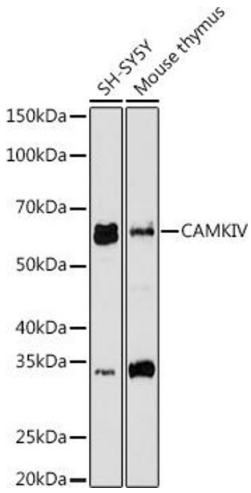
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spinal cord using CAMKIV Rabbit mAb (ABIN7266021) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded rat brain using CAMKIV Rabbit mAb (ABIN7266021) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CAMKIV antibody (ABIN7266021) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

Please check the product details page for more images. Overall 6 images are available for ABIN7266021.