

Datasheet for ABIN720552

**anti-CAMK4 antibody (pThr196, pThr200) (Biotin)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	CAMK4
Binding Specificity:	pThr196, pThr200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMK4 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from mouse CAMKIV around the phosphorylation site of Thr196 + Thr200.
Isotype:	IgG
Specificity:	Phosphorylation site corresponds to Thr200 and Thr204 in human.
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig
Purification:	Purified by Protein A.

## Target Details

Target:	CAMK4
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## Target Details

Alternative Name:	Camk4 ( <a href="#">CAMK4 Products</a> )
Background:	<p>Synonyms: CAMKIVphospho T196 + T200, Brain Ca<sup>2+</sup> calmodulin dependent protein kinase type 4, Brain Ca<sup>2+</sup> calmodulin dependent protein kinase type IV, Calcium / calmodulin dependent protein kinase type 4 catalytic chain, Calcium / calmodulin dependent protein kinase type IV catalytic chain, Calcium/calmodulin dependent protein kinase IV, Calcium/calmodulin dependent protein kinase type IV, CAM kinase 4, CAM kinase GR, CAM kinase IV, CaMK 4, CAMK GR, CaMK IV, CaMK4, CaMKGR, MGC36771.</p> <p>Background: Ca<sup>2+</sup>/calmodulin dependent protein kinase type IV (CAMKIV) belongs to the serine/threonine protein kinase family, and to the 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.</p>
UniProt:	<a href="#">P08414</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a>

## Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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

Handling

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Storage Comment:                      Store at -20°C for 12 months.

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Expiry Date:                              12 months