

Anti-CaMKIV Antibody (2T364)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	2T364
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of mouse CAMK4 in mouse prostate with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of mouse CAMK4 in mouse brain with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:250-1:1000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse CaM Kinase 4 / CaMKIV protein (TMPY-04573)
Antigen Species:	Mouse
Synonyms:	CaMKIV;A430110E23Rik;D18Bwg0362e;A1666733;CaMKIV/Gr;calcium/calmodulin-dependent protein kinase IV

Research Background

Ca²⁺/calmodulin-dependent protein kinase 4 (CAMKIV) belongs to the serine/threonine protein kinase family, and to the Ca²⁺/calmodulin-dependent protein kinase subfamily which is widely recognized as an essential enzyme implicated in the phosphoinositide amplification cascade. Ca²⁺/calmodulin dependent protein kinase (CAMK) can be activated by the intracellular increased Ca²⁺ and then apt to combine with the target protein. Ca²⁺/calmodulin-dependent protein kinase 4 (CAMKIV) is a multifunctional CaM-dependent kinase protein with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. All of the isoforms of this family, including myosin light chain kinase, phosphorylase kinase, CaMK1, CaMKIII and CaMKIV have EF-hand structure.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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