

## Product datasheet for **TA346900M**

### **CAMKIV (CAMK4) Mouse Monoclonal Antibody [Clone ID: 3C10-D5-G7]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	3C10-D5-G7
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	The immunogen for CAMK4 antibody: purified recombinant human CaMKIV protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	calcium/calmodulin-dependent protein kinase IV
Database Link:	<a href="#">NP_001735</a> <a href="#">Entrez Gene 814 Human</a> <a href="#">Q16566</a>
Background:	The product of this gene 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.
Synonyms:	caMK; CaMK-GR; CaMK IV; IV
Protein Families:	Druggable Genome, Protein Kinase


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**Protein Pathways:** Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway