

## Product datasheet for **TA346900**

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

#### **Product data:**

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



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