

## Product datasheet for **TA349738S**

### **CAMKIV (CAMK4) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue IHC: 25-100 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CAMK4
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	calcium/calmodulin-dependent protein kinase IV
Database Link:	<a href="#">NP_001735</a> <a href="#">Entrez Gene 12326 MouseEntrez Gene 25050 RatEntrez Gene 814 Human 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



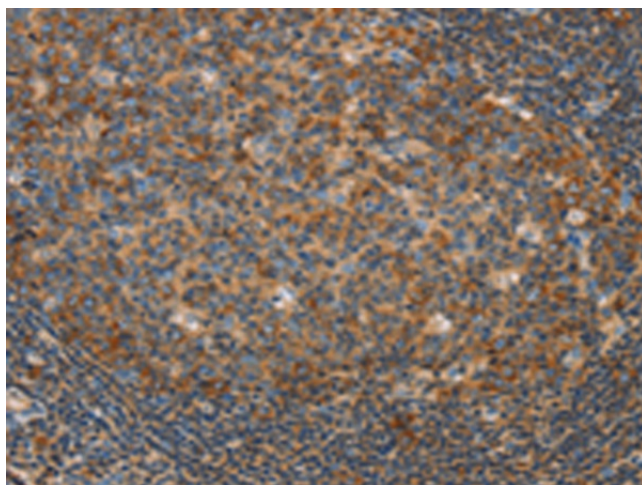
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Protein Pathways: Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway

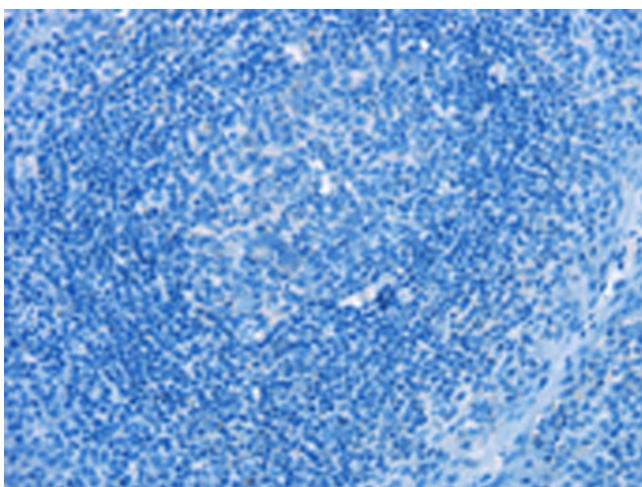
### Product images:



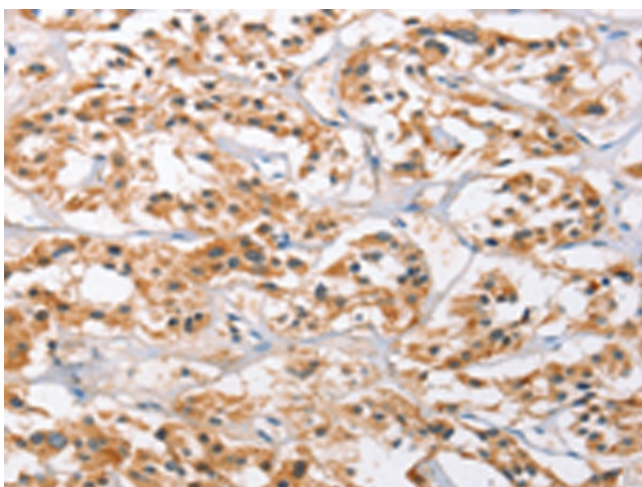
Gel: 6%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Mouse brain tissue  
Primary antibody: [TA349738] (CAMK4 Antibody)  
at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded  
Human tonsil tissue using [TA349738] (CAMK4  
Antibody) at dilution 1/20 (Original magnification:  
 $\times$ 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349738] (CAMK4 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349738] (CAMK4 Antibody) at dilution 1/20 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349738] (CAMK4 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification:  $\times 200$ )