

Product datasheet for **TA354322**

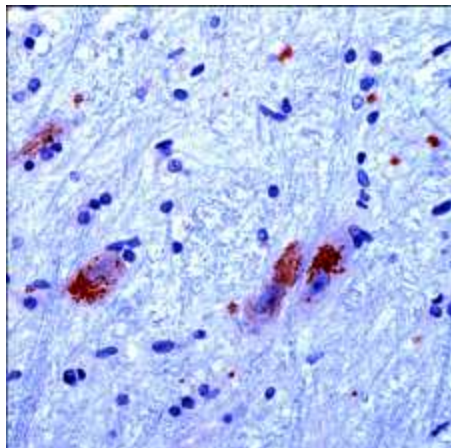
CAMKIV (CAMK4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC Not tested
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide from aa 457-474 of rat CaM Kinase IV.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	calcium/calmodulin-dependent protein kinase IV
Database Link:	NP_001735 Entrez Gene 25050 Rat Entrez Gene 814 Human Q16566
Background:	Calmodulin dependent protein kinases (CaM kinases) consist of a family of Ser/Thr protein kinases including CaMKI, CaMKII and CaMKIV. CaMKs are considered to play a central role in many cellular functions in response to Ca ²⁺ signaling, including synthesis and secretion of neurotransmitters, axonal transport, long term potentiation etc. CaM kinase IV is abundantly expressed in the brain, in the thymus, and is localized to the cytoplasm and nucleus.
Synonyms:	caMK; CaMK-GR; CaMK IV; IV
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway



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Product images:

IHC: Human brain stained with anti-CaM Kinase IV antibody at 1:100 for 30 min, RT. (Staining of formalin-fixed tissues requires boiling tissue section in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20min.)