

Rabbit Anti-Rat Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) Polyclonal Antibody

Cat. No.: VD2N67

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for rat calcium/calmodulin dependent protein kinase II gamma. It is affinity purified by protein A. It can be applied to WB and IHC assays of rat calcium/calmodulin dependent protein kinase II gamma.

Specifications

Application	WB; IHC
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A13N45
Host	Rabbit
Target Species	Rat
Species Reactivity	Rat
Specificity	Rat Calcium/Calmodulin Dependent Protein Kinase II Gamma
Isotype	IgG
Immunogen	Recombinant protein of rat calcium/calmodulin dependent protein kinase II gamma
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Rat Calcium/Calmodulin-Dependent Protein Kinase II Gamma (CaMKII γ) is a key enzyme involved in intracellular signaling pathways. It is activated by calcium and calmodulin, leading to the phosphorylation of various substrates. CaMKII γ plays a crucial role in regulating neuronal activity, synaptic plasticity, and cardiac function. In rats, this kinase is essential for maintaining proper neuronal and cardiac function, contributing to overall physiological homeostasis.

Target	Rat Calcium/Calmodulin Dependent Protein Kinase II Gamma
Target Synonym	CAMKII; CAMK2G; CAMK; CAMK-II; CAMKG; CaM Kinase; CaM kinase II subunit gamma; CaMK-II subunit gamma
Gene ID	171140
UniProt ID	P11730

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.