

Product Name: CaMKII beta Rabbit Monoclonal Antibody**Catalog #: AMRe01753**

For research use only.

Summary

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|----------------------|--|
| Description | Recombinant rabbit monoclonal antibody |
| Host | Rabbit |
| Application | WB |
| Reactivity | Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 0.5mg/ml. The concentration of this product may be batch-dependent. |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| Purification | Affinity Purification |

Application

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| Dilution Ratio | WB 1:500-1:1000 |
| Molecular Weight | Calculated MW: 73 kDa; Observed MW: 54 kDa |

Antigen Information

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|--------------------------|---|
| Gene Name | CAMK2B CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II |
| Alternative Names | subunit beta; CaM kinase II subunit beta; CaMK-II subunit beta; CAMK2G; CAMK; CAMK-II; CAMKG; Calcium/calmodulin-dependent protein kinase type II subunit gamma |
| Gene ID | 816 |
| SwissProt ID | Q13554 |
| Immunogen | A synthetic peptide corresponding to target protein |

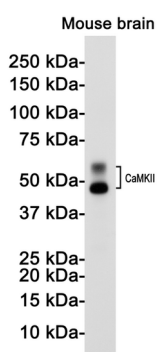
Background

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

Research Area

Neuroscience

Image Data



Western blot analysis of CaMKII in mouse brain lysates using CaMKII beta antibody.