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| <b>Product name:</b>     | CaMKII beta Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                              |
| <b>Cat number:</b>       | MABN01753                                                                                                                                                                                                                                                                                           |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                        |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                               |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                          |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                              |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                              |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen:</b>        | A synthetic peptide corresponding to target protein                                                                                                                                                                                                                                                 |
| <b>Reactivity:</b>       | Mouse                                                                                                                                                                                                                                                                                               |
| <b>Applications:</b>     | WB 1:500-1:1000                                                                                                                                                                                                                                                                                     |
| <b>Molecular Weight:</b> | Calculated MW: 73 kDa; Observed MW: 54 kDa                                                                                                                                                                                                                                                          |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                               |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                              |
| <b>Buffer:</b>           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                                                               |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                        |
| <b>Background:</b>       | 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. |