

CaMKII alpha antibody [6G9]

Cat. No. GTX22725

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IP, IHC
Reactivity	Human, Mouse, Rat, Pig

References (4)

Package

100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	0.5-1 µg/mL
ICC/IF	1:100
IP	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Calculated MW 54 kDa. ([Note](#))

Product Note

This antibody has been shown to detect both the phosphorylated and non-phosphorylated alpha subunit of CaM kinase II only. It does not detect the ~60 kDa beta subunit in either phosphorylation state. Immunofluorescence staining of CaM kinase II in rat hippocampal cells with GTX22725 results in intense staining of cell somas and neuropil areas, while nuclei are only lightly stained.

Properties

Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1.17 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Partially purified, rat CaM kinase II.
Purification	Protein A purified
Conjugation	Unconjugated



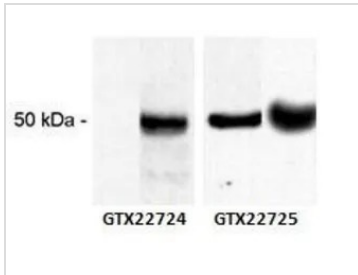
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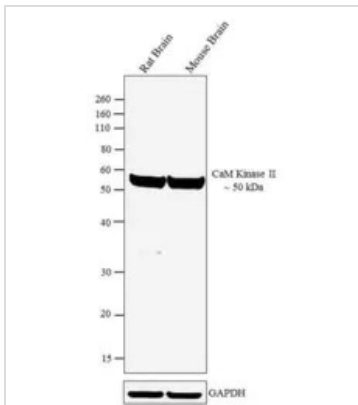
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTX22725 WB Image

WB analysis of unphosphorylated and phosphorylated rat brain homogenate (left and right lanes respectively) using GTX22724 CaMKII alpha (phospho Thr286) antibody [22B1] or GTX22725CaMKII alpha antibody [6G9] .


GTX22725 WB Image

WB analysis of whole cell extracts (30 µg lysate) of Rat Brain (Lane 1), and Mouse Brain (Lane 2) using GTX22725 CaMKII alpha antibody [6G9].

Dilution : 0.5-1 µg/ml



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