

# CaMKII alpha/beta Monoclonal Antibody (22B1), PerCP

## Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	22B1
Conjugate	PerCP
Excitation/Emission Max	482/675 nm
Immunogen	Synthetic peptide
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.2, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

## Applications

## Tested Dilution

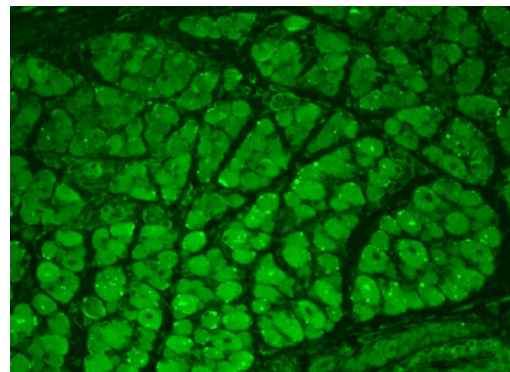
## Publications

Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:100-1:5,000	-
Immunocytochemistry (ICC/IF)	1:1,000	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

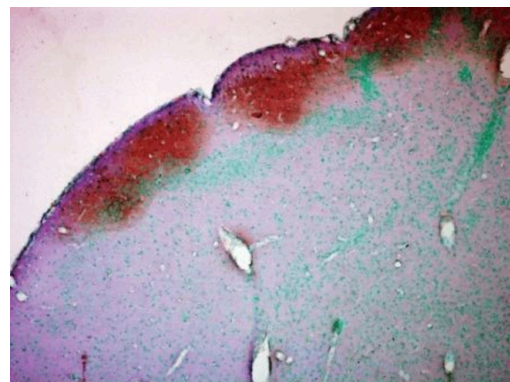
1 µg/mL was sufficient for detection of 0.2 µg CamKII by colorimetric immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary. Detects phosphorylated CaMKII from rat tissues. This antibody is specific for alpha and beta subunits of CaMKII only when they are phosphorylated at Thr-286/287 (in beta ).

Product Images For CaMKII alpha/beta Monoclonal Antibody (22B1), PerCP



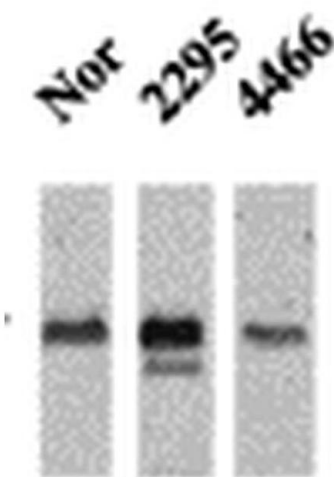
**CaMKII alpha/beta Antibody (MA5-45148) in IHC (P)**

Immunohistochemistry analysis using mouse backskin. Fixation involved Bouins Fixative and paraffin-embedded. Samples were incubated with CaMKII monoclonal antibody (Product # MA5-45148) at 1:100 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Muscle, hair follicle, epidermis. Backskin obtained from transgenic mice.



**CaMKII alpha/beta Antibody (MA5-45148) in IHC (PFA)**

Immunohistochemistry analysis using colon carcinoma. Fixation involved formalin. Samples were incubated with CaMKII monoclonal antibody (Product # MA5-45148) at 1:5,000 for 12 hours at 4°C, followed by Biotin Goat Anti-Mouse at 1:2,000 for 1 hour at RT. Counterstain used was Mayer Hematoxylin (purple /blue) nuclear stain at 200 µL for 2 minutes at RT. Magnification: 40x.



**CaMKII alpha/beta Antibody (MA5-45148) in WB**

Western Blot analysis of Mouse Ventricle lysates showing detection of CaMKII protein. Samples were incubated with CaMKII monoclonal antibody (Product # MA5-45148) at 1:1,000. Analysis of CaMKII and NFAT phosphorylation in ventricles of 14 day old mice over-expressing CaMK.

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