# antibodies -online.com











3 7 3 7 7 3 7 7	
Quantity:	50 μg
Target:	CAMK2B
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunoprecipitation (IP), Functional Studies (Func)
Product Details	
Brand:	IHC-plus™
Immunogen:	Purified rat brain CaM Kinase.
	Type of Immunogen: Purified protein
Isotype:	IgG2b kappa
Specificity:	Specific for b subunit of CaM Kinase II. Reactivity with other subunit isoforms is minimal to zero unless the proteins are expressed at very high concentrations. Positive reactivity has been seen on Western blots with human, mouse, rat, goldfish and sea urchin egg samples.
Purification:	Protein A purified
Target Details	
Target:	CAMK2B

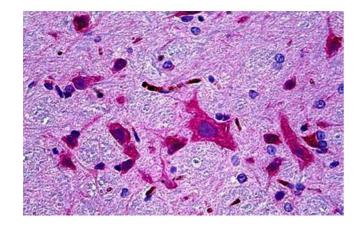
### Target Details

Alternative Name:	CAMK2B / CaMKII beta (CAMK2B Products)
Background:	Name/Gene ID: CAMK2B
	Subfamily: CAMK2
	Family: Protein Kinase
	Synonyms: CAMK2B, Beta-subunit of CaMK II, Cam kinase II beta, CaMK IIbeta, CaM-kinase II
	beta chain, CAMKB, Beta CaMK II, CaM kinase II beta subunit, CaM kinase II subunit beta, CaM
	kinase Ilbeta, CAM2, Camk ii beta, CAMK2, CaMKII beta, CaMK-II subunit beta, CaMKIIbeta
Gene ID:	816
UniProt:	Q13554
Pathways:	WNT Signaling, Interferon-gamma Pathway, Myometrial Relaxation and Contraction, Regulation
	of G-Protein Coupled Receptor Protein Signaling, Smooth Muscle Cell Migration, Regulation of
	long-term Neuronal Synaptic Plasticity
Application Details	
Application Notes:	Approved: ELISA (0.1 - 1 μg/mL), Func, IHC, IHC-P (10 μg/mL), IP, WB (1 μg/mL)
	Usage: Suitable for use in ELISA, Western Blot, Immunoprecipitation and
	Immunohistochemistry. ELISA: 0.1-1 μg/mL. Immunohistochemistry (paraffin): 1-5 μg/mL.
	Immunoprecipitation/IP kinase assays: 2 μg. Western Blot: 1 μg/mL.
Comment:	Target Species of Antibody: Rat
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS buffer, pH 7.4, 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.

#### Handling

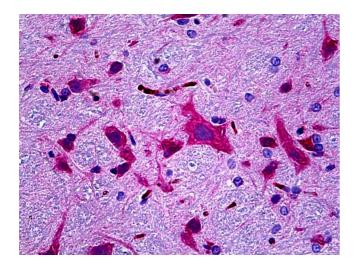
Storage:	4 °C,-20 °C
Storage Comment:	May be stored at 4°C for short-term only. Aliquot to avoid freeze-thaw cycles. Store at -20°C. Aliquots are stable for at least 1 year.

#### **Images**



## Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

**Image 1.** Rat Brain: Formalin-Fixed, Paraffin-Embedded (FFPE)



#### **Immunohistochemistry**

**Image 2.** Anti-CAMK2B antibody IHC of rat brain. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.