

Datasheet for ABIN768905
anti-CAMK2B antibody



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2 Images

Overview

Quantity:	50 µg
Target:	CAMK2B
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CAMK2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded 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
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 IIbeta, 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

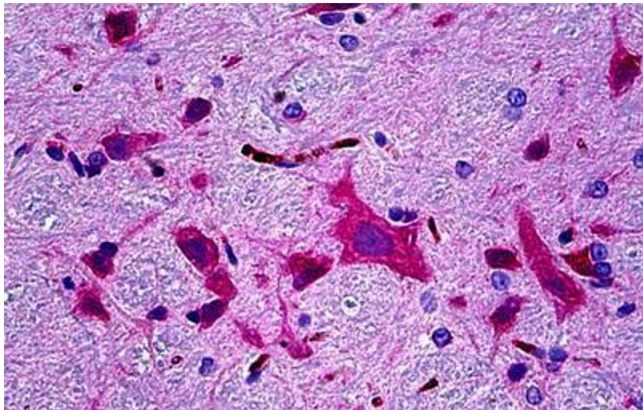
Handling

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

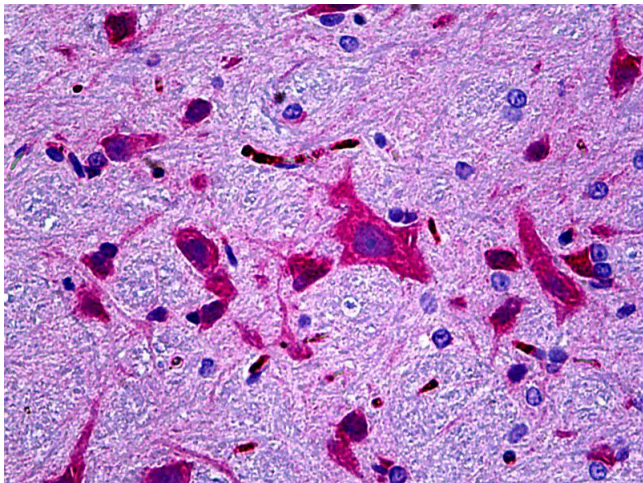
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	May be stored at 4°C for short-term only. Aliquot to avoid freeze-thaw cycles. Store at -20°C. Aliquots are stable for at least 1 year.

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, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.