

Datasheet for ABIN6282451

anti-CaMKIIbeta/gamma/delta antibody (pThr287)[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	CaMKIIbeta/gamma/delta
Binding Specificity:	AA 230-310, pThr287
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CaMKIIbeta/gamma/delta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	<p>CaMKIIβ/γ/δ is a protein encoded by the CAMK2B gene which is approximately 72,6 kDa.</p> <p>CaMKIIβ/γ/δ is localised to the cytoplasm. It is involved in RET signalling, post NMDA receptor activation events and cardiac conduction. It is a calcium/calmodulin-dependent protein kinase that functions autonomously after Ca²⁺/calmodulin-binding and autophosphorylation. It plays a role in dendritic spine and synapse formation, neuronal plasticity and regulation of sarcoplasmic reticulum Ca²⁺ transport in skeletal muscle. CaMKIIβ/γ/δ is widely expressed in human tissue including the adult and foetal brain. The CAMK2B gene is associated with Phencyclidine abuse. STJ90941 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous CaMKIIβ/γ/δ protein which only binds about T287 when T287 is phosphorylated.</p>
Immunogen:	Synthesized peptide derived from human CaMKIIbeta/gamma/delta around the phosphorylation site of T287.

Product Details

Isotype:	IgG
Specificity:	Phospho-CaMKII β / γ / δ (T287) Polyclonal Antibody detects endogenous levels of CaMKII β / γ / δ protein only when phosphorylated at T287.
Characteristics:	Rabbit polyclonal to Phospho-CaMKII β / γ / δ (T287).
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	CaMKIIbeta/gamma/delta
Abstract:	CaMKIIbeta/gamma/delta Products
Molecular Weight:	50/65 kDa
Gene ID:	816
UniProt:	Q13554

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:5000
Comment:	Widely expressed. Expressed in adult and fetal brain. Expression is slightly lower in fetal brain. Expressed in skeletal muscle.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % 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.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.