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## anti-CACNA1B antibody (AA 1921-2222)

**Images** 



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Quantity:	50 μg
Target:	CACNA1B
Binding Specificity:	AA 1921-2222
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## **Product Details**

Immunogen:	Recombinant protein (aa 1921-2222 of rat Ca2+-channel alpha-1E subunit).	
Specificity:	Specific for Ca2+ channel alpha-1E.	
Purification: Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.		

## **Target Details**

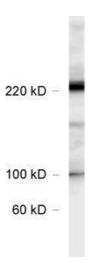
Target:	CACNA1B
Alternative Name:	Ca2+ Channel (CACNA1B Products)
Background:	Synonyms: Cav2.3

## **Application Details**

Application Notes: WB: 1:500 up to 1:1000

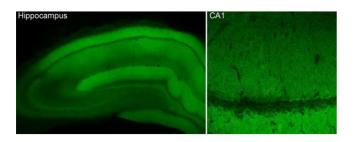
## **Application Details**

Application Details	
	IP: not tested yet
	ICC: not tested yet
	IHC: 1:500
Comment:	WB: Due to its large size, this antibody requires special gel-electrophoresis and Western blot
	protocols for visualization by immunoblotting. Excellent results can be obtained with the 4-12%
	TRIS-glycine gradient gels of anamed or NuPage TRIS-acetate gels from Invitrogen. WB: This
	protein tends to aggregate after boiling, making it necessary to run SDS-PAGE with non-boiled
	samples. ECL detection is recommended: IHC: This antibody requires a mild fixation protocol (1
	% PFA in sodium acetate buffer, pH 6).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and
	store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also
	removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is
	not recommended.
Storage:	-20 °C
Storage Comment:	Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient
	temperatures for several weeks or even months. They can be stored at 4°C for several years.
	Lyophilized antibodies must not be stored in the freezer, they may be destroyed!



## **Western Blotting**

Image 1. dilution: 1:1000, sample: rat hippocampus lysate



#### **Immunohistochemistry**

**Image 2.** Indirect immunostaining of PFA fixed hippocampus section (dilution 1 : 500).