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## Datasheet for ABIN7042967 anti-BDKRB1 antibody (3rd Intracellular Loop, Cys250)



Overview

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Images

Uverview	
Quantity:	50 µL
Target:	BDKRB1
Binding Specificity:	3rd Intracellular Loop, AA 243-257, Cys250
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)KEAS RTR*SG GPKGS K, corresponding to amino acid residues 243-
	257 of rat B1R with replacement of cysteine 250 (C250) with serine (*S)
lsotype:	lgG
Cross-Reactivity (Details):	Might not recognize the human epitope.
Characteristics:	Anti-B1 Bradykinin Receptor (BDKRB1) Antibody (ABIN7042967, ABIN7043940 and
	ABIN7043941)) is a highly specific antibody directed against an epitope of the rat protein. The
	antibody can be used in western blot, immunohistochemistry, and immunocytochemistry
	applications. It has been designed to recognize B1R from rat and mouse samples. The antibody
	may not recognize the receptor from human samples.

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#### Target Details

Target:	BDKRB1
Alternative Name:	B1 Bradykinin Receptor (BDKRB1) (BDKRB1 Products)
Background:	Alternative names: B1 Bradykinin Receptor (BDKRB1), B1R, BKR1, B1BKR, BKRB1, Kinin B1, BRADYB1
Gene ID:	81509
NCBI Accession:	NM_000710
UniProt:	P97583
Pathways:	ACE Inhibitor Pathway

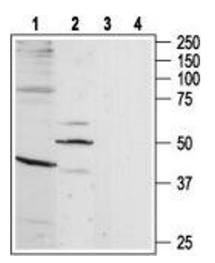
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

### Handling

Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

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#### Western Blotting

**Image 1.** Western blot analysis of rat brain (lanes 1 and 3) and heart (lanes 2 and 4) lysates: - 1-2. Anti-B1 Bradykinin Receptor (BDKRB1) Antibody (ABIN7042967, ABIN7043940 and ABIN7043941), (1:200).3-4. Anti-B1 Bradykinin Receptor (BDKRB1) Antibody, preincubated with B1 Bradykinin Receptor/BDKRB1 Blocking Peptide (#BLP-BR011).

#### Immunohistochemistry

**Image 2.** Expression of B1 bradykinin receptor in rat CNS -Immunohistochemical staining of frozen rat brain section (A & B) and cerebellum (C) using Anti-B1 Bradykinin Receptor (BDKRB1) Antibody (ABIN7042967, ABIN7043940 and ABIN7043941), (1:50). BKR1 is expressed in neuronal cells of the amygdala (A) and hippocampus (CA1) (B) as well as in the axons of Purkinje cells in the cerebellum (arrowheads on C). Hoechst 33342 is used as the counterstain.



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