



# Mouse anti-Human BDKRB1 monoclonal antibody, clone 4B3 (CABT-B9847)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	BDKRB1 (AAH34705, 1 a.a. ~ 354 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4B3
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,ELISA
<b>Sequence Similarities</b>	LASSWPPLELQSSNQSQLFPQNATACDNAPEAWDLLHRVLPFTIISICFFGLLGNLFVLL VFLLPRRQLNVAEIYLANLAASDLVFLGLPFWAENIWNQFNWPFGALLCRVINGVIKAN LFISIFLVVAISQDRYRVLVHPMASRRQRRRQARVTCVLIWVVGGLLSIPTFLLRSIQA VPDLNITACILLLPHEAWHFARIVELNILGFLLPLAAIVFFNYHILASLRTREEVSRTRC GGRKDSKTTALILT
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	Bradykinin, a 9 aa peptide, is generated in pathophysiologic conditions such as inflammation, trauma, burns, shock, and allergy. Two types of G-protein coupled receptors have been found which bind bradykinin and mediate responses to these pathophysiologic conditions. The protein encoded by this gene is one of these receptors and is synthesized de novo following tissue injury. Receptor binding leads to an increase in the cytosolic calcium ion concentration, ultimately resulting in chronic and acute inflammatory responses. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
<b>Keywords</b>	BDKRB1; bradykinin receptor B1; B1R; BKR1; B1BKR; BKB1R; BDKRB2; BRADYB1; B1 bradykinin receptor; BK-1 receptor; bradykinin receptor 1; bradykinin B1 receptor; bradykinin receptor B2;

## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">623</a>
<b>UniProt ID</b>	<a href="#">P46663</a>
<b>Pathway</b>	ACE Inhibitor Pathway, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem
<b>Function</b>	G-protein coupled receptor activity; bradykinin receptor activity; peptide binding; receptor activity