

## BDKRB2 Conjugated Antibody

Catalog No: #C49760



Package Size: #C49760-AF350 100ul #C49760-AF405 100ul #C49760-AF488 100ul  
 #C49760-AF555 100ul #C49760-AF594 100ul #C49760-AF647 100ul  
 #C49760-AF680 100ul #C49760-AF750 100ul #C49760-Biotin 100ul

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## Description

Product Name	BDKRB2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	B2 antibody B2 bradykinin receptor antibody B2BKR antibody B2BRA antibody B2R antibody BDKR B2 antibody BDKRB 2 antibody BDKRB2 antibody BK 2 antibody BK 2 receptor antibody BK R2 antibody BK-2 receptor antibody BK2 antibody BK2 receptor antibody BK2R antibody BKR 2 antibody BKR2 antibody BKR2_HUMAN antibody BR B2 antibody Bradykinin receptor B2 antibody Bradykinin receptor beta 2 antibody BRB 2 antibody BRB2 antibody DKFZp686O088 antibody Kinin B2 antibody
Accession No.	Swiss-Prot#:P30411
Uniprot	P30411
GeneID	624;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	80 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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Kinins are important biologically active peptides that mediate cardiovascular homeostasis, inflammation and nociception. Bradykinin, the major effector peptide of the kallikrein-kinin system, is regulated by angiotensin-converting enzyme (ACE), which degrades the peptide. Bradykinin normally exerts its effects through the activation of two seven transmembrane G-protein coupled receptors, named B1 and B2. The B2 receptor is constitutively expressed and preferentially binds full length bradykinin. Deletion of the B2 receptor leads to salt-sensitive hypertension and altered nociception in mice. The B1 receptor binds to derivatives of bradykinin and kallidin, which are produced by carboxypeptidase action to generate the products des-Arg9-bradykinin and des-Arg10-kallidin, respectively. The expression of the B1 receptor is inducible by inflammatory mediators, such as bacterial lipopolysaccharide (LPS) and cytokines. The B1 and B2 receptors represent potential therapeutic targets for treatment of inflammatory disorders and cardiovascular diseases.

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Note: This product is for in vitro research use only