

**BDK\_1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP8735c****Specification**

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**BDK\_1 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [P46663](#)

**BDK\_1 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 623

**Other Names**

B1 bradykinin receptor, B1R, BK-1 receptor, BDKRB1, BRADYB1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8735c](/products/AP8735c) was selected from the Center region of human BDKRB1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BDK\_1 Antibody (Center) Blocking peptide - Protein Information**

**Name** BDKRB1

**Synonyms** BRADYB1

**Function**

This is a receptor for bradykinin. Could be a factor in chronic pain and inflammation.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**BDK\_1 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**BDK\_1 Antibody (Center) Blocking peptide - Images****BDK\_1 Antibody (Center) Blocking peptide - Background**

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. BDKRB1 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.

**BDK\_1 Antibody (Center) Blocking peptide - References**

Bachvarov,D.R., et.al., Genomics 33 (3), 374-381 (1996)