

**BDK\_1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8735C****Specification**

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

Application	WB, FC,E
Primary Accession	<a href="#">P46663</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40495
Antigen Region	213-239

**BDK\_1 Antibody (Center) - Additional Information****Gene ID** 623**Other Names**

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

**Target/Specificity**

This BDK\_1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-239 amino acids from the Central region of human BDK\_1.

**Dilution**

WB~~1:1000

FC~~1:10~50

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BDK\_1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**BDK\_1 Antibody (Center) - Protein Information****Name** BDKRB1**Synonyms** BRADYB1

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

**Cellular Location**

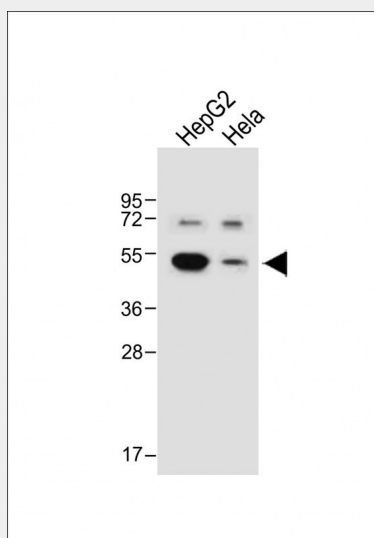
Cell membrane; Multi-pass membrane protein

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

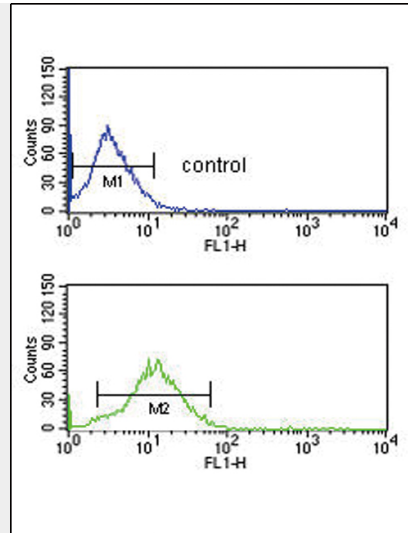
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BDK\_1 Antibody (Center) - Images**



All lanes : Anti-BDK\_1 Antibody (Center) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



BDKRB1 Antibody (Center) (Cat. #AP8735c) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **BDK\_1 Antibody (Center) - 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) - References**

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