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BDK_1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8735C

Product Information

Application	WB, FC, E
Primary Accession	P46663
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21729
Calculated MW	40495
Antigen Region	213-239

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 0.05% (V/V) Proclin 300. 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.

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

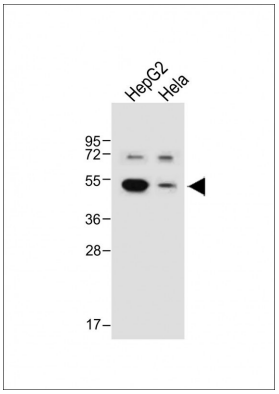
Background

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.

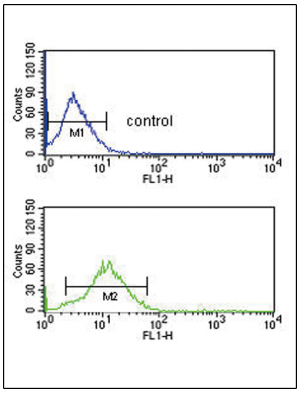
References

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.