Rabbit anti-Human BDK_1 Polyclonal Antibody | anti-BDKRB1 antibody

BDK_1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28760	**Rabbit**	**Human**	**Western Blot, ELISA, Flow Cytometry, Functional Assay**

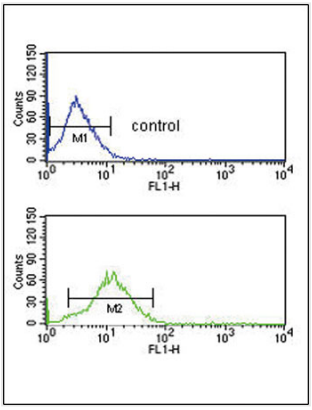
PRODUCT SYNONYMS

BDK_1; Polyclonal Antibody; BDK_1 Antibody (Center); B1 bradykinin receptor; B1R; BK-1 receptor; BDKRB1; BRADYB1; anti-BDKRB1 antibody

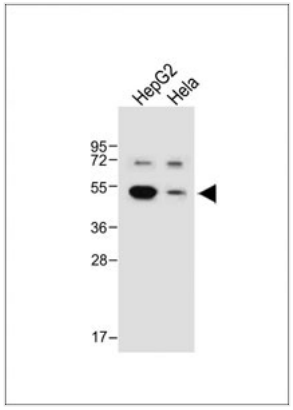
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Number	RB21729
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300.
Sequence Positions	213-239
Sequence Length	353
Applicable Applications for anti-BDKRB1 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Application Notes	WB~~1:1000 FC~~1:10~50
Function	This is a receptor for bradykinin. Could be a factor in chronic pain and inflammation.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Preparation and 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.

IMAGES



FCM (Flow Cytometry)
BDKRB1 Antibody (Center) 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.



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-BDKRB1 antibody	pathophysiologic conditions such asinflammation, trauma, burns, shock, and allergy.Two types of G-protein coupled receptors havebeen found which bind bradykinin and mediateresponses to these pathophysiologic conditions.BDKRB1 is one of these receptors and issynthesized de novo following tissue injury.Receptor binding leads to an increase in thecytosolic calcium ion concentration, ultimatelyresulting in chronic and acute inflammatoryresponses.
Product Categories/Family for anti-BDKRB1 antibody	Immunology; Metabolism; Signal Transduction; Phospho Antibodies
References	Bachvarov,D.R., et.al., Genomics 33 (3), 374-381 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20544172
NCBI GeneID	623
NCBI Accession #	NP_000701.2
NCBI GenBank Nucleotide #	NM_000710.3
UniProt Accession #	P46663; Q546S7; Q8N0Y8; A8K7F5
Molecular Weight	Calculated MW: 40495
NCBI Official Full Name	B1 bradykinin receptor
NCBI Official Synonym Full Names	bradykinin receptor B1
NCBI Official Symbol	BDKRB1
NCBI Official Synonym Symbols	B1R; BKR1; B1BKR; BKB1R; BDKRB2; BRADYB1
NCBI Protein Information	B1 bradykinin receptor
UniProt Protein Name	B1 bradykinin receptor
UniProt Gene Name	**BDKRB1**
UniProt Synonym Gene Names	BRADYB1; B1R; BK-1 receptor
UniProt Entry Name	BKRB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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