BDKRB2 Rabbit mAb

Catalog No: #49760

Package Size: #49760-1 50ul #49760-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

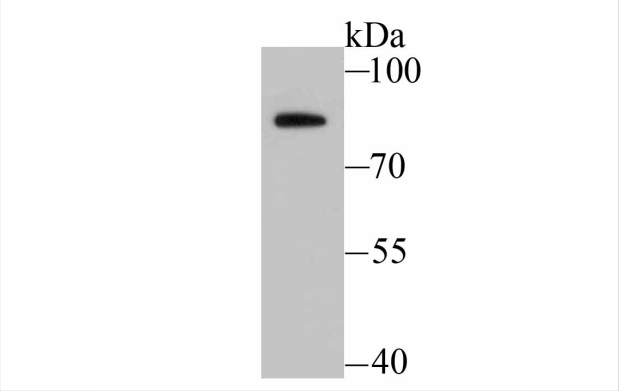
Description

Product Name	BDKRB2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU39-04
Purification	ProA affinity purified
Applications	WB,FC,IP
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
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 BKRB2_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;
Calculated MW	80 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

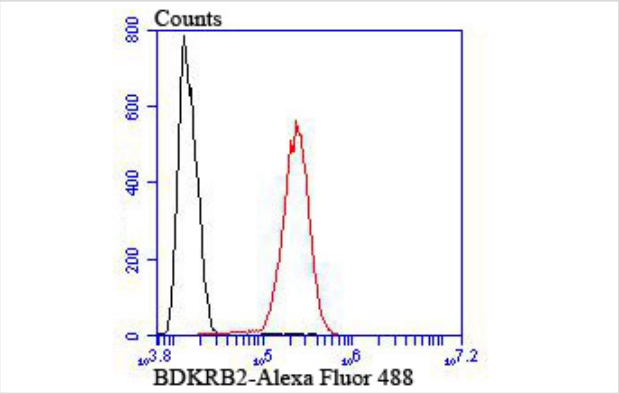
Application Details

WB: 1:500-1:1,000 IP: 1:10-1:50FC: 1:50-1:100

Images



Western blot analysis of BDKRB2 on MCF-7 cell lysate using anti-BDKRB2 antibody at 1/500 dilution.



Flow cytometric analysis of SH-SY5Y cells with BDKRB2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

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.

References

Note: This product is for in vitro research use only