

Anti-BDKRB2 Antibody (4Y573)

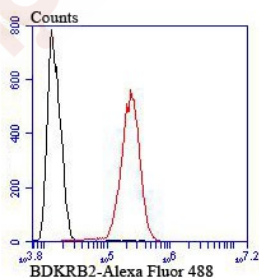
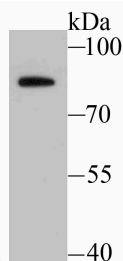
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 80 kDa.
Clone:	4Y573
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of BDKRB2 on MCF-7 cell lysate using anti-BDKRB2 antibody at 1/500 dilution.
2. 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).



Application:	FCM,IP,WB
Recommended	WB: 1:500-1000; IP: 1:10-50; FCM: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P30411
Synonyms:	BDKR B2;B2 bradykinin receptor;Kinin B2 Bradykinin receptor beta 2;BDKRB 2;Bradykinin receptor beta 2;BR B2;BKR2;BK2R;B2BKR;BK 2;BRB2;BRB 2;BK2;BKR 2;BK2 receptor;B2;BK R2;DKFZp6860088;B2BRA;BK 2 receptor;B2R;Bradykinin receptor b2

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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