SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-BDKRB1 antibody

Catalog Number: SL8675R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	BDKRB1
Immunogen:	KLH conjugated synthetic peptide derived from Human BDKRB1: 161-260/353 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Rabbit)
Predicted MW.:	40kDa
Subcellular Location:	The cell membrane
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

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	disorders and cardiovascular diseases. **Function:** This is a receptor for bradykinin. Could be a factor in chronic pain and inflammation. **Subunit:** Belongs to the G-protein coupled receptor 1 family. Bradykinin receptor subfamily. BDKRB1 sub-subfamily. **Subcellular Location:** Cell membrane. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Bradykinin receptor subfamily. BDKRB1 sub-subfamily. **Database links:** **Entrez Gene:** 623 Human Omim: 600337 Human **SwissProt:** P46663 Human **Unigene:** 525572 Human

[VALIDATION IMAGES]

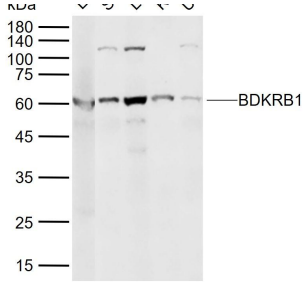


Figure 1. Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Human SiHa cell lysates Lane 3: Human LOVO cell lysates Lane 4: Human K562 cell lysates Lane 5: Human U251 cell lysates Primary: Anti-BDKRB1 (SL8675R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 60 kDa

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