SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-BDKRB1 Polyclonal Antibody

Catalog Number: SLA0055

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	623
SWISS:	P46663
Target:	BDKRB1
Immunogen:	KLH conjugated synthetic peptide derived from human BDKRB1
Purification:	affinity purified by Protein A
Concentration:	1mg/1ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	40 kDa
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.

[VALIDATION IMAGES]

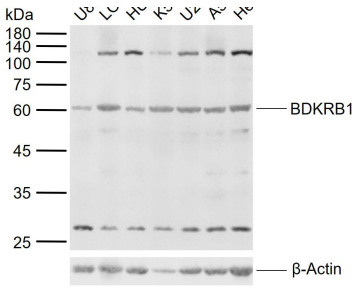


Figure 1. Sample:
Lane 1: Human U87MG cell lysates
Lane 2: Human LOVO cell lysates
Lane 3: Human HUVEC cell lysates
Lane 4: Human K562 cell lysates
Lane 5: Human U251 cell lysates
Lane 6: Human A549 cell lysates
Lane 7: Human HeLa cell lysates
Primary: Anti-BDKRB1 (SLA0055) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kDa
Observed band size: 60 kDa
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