



Rabbit Anti-BDKRB1 antibody

SL8675R

Product Name:	BDKRB1
Chinese Name:	缓激肽B1受体抗体
Alias:	B1 bradykinin receptor; B1BKR; B1R; BDKR B1; BDKRB 1; BDKRB1; BK 1 receptor; BK-1 receptor; bradykinin B1 R; BKB1R; BKR 1; BKR1; BKRB1_HUMAN; BRADY B1; BRADYB1; Bradykinin B1 receptor; Bradykinin receptor 1; bradykinin B1R; Bradykinin receptor B1
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human BDKRB1:161-260/353<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

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.

SWISS:

P46663

Gene ID:

623

Database links:

[Entrez Gene: 623](#)Human

[Omim: 600337](#)Human

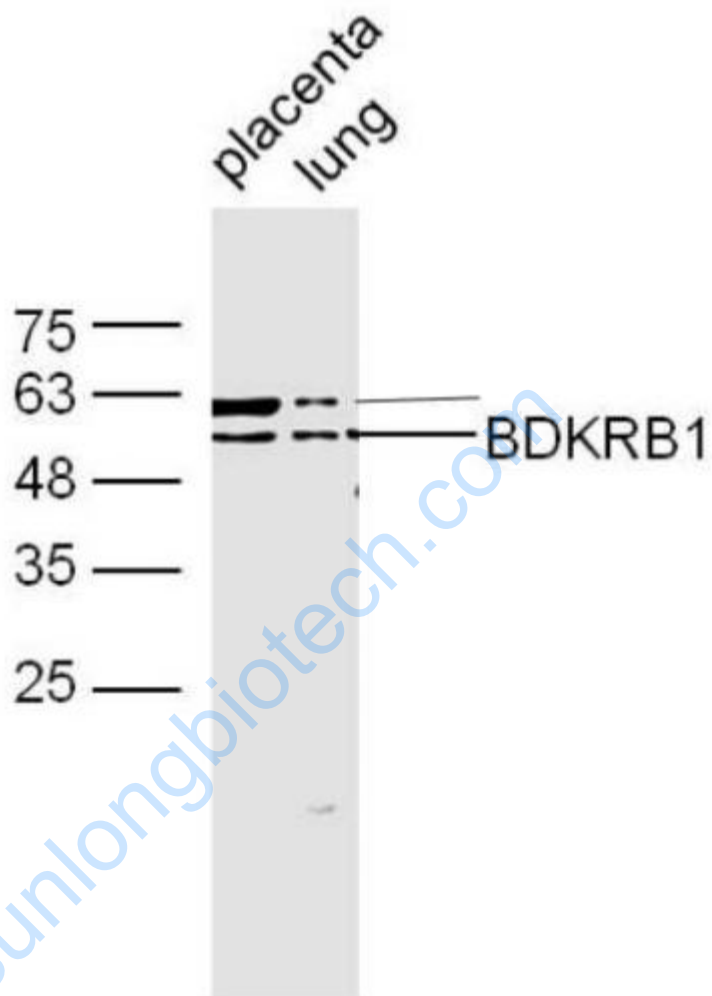
[SwissProt: P46663](#)Human

[Unigene: 525572](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

placenta (Mouse) Lysate at 40 ug

Lung (Mouse) Lysate at 40 ug

Primary: Anti-BDKRB1 (SL8675R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 60 kD