

## Bradykinin B1 R rabbit pAb

**Cat#: orb769981 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Bradykinin B1 R rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BDKRB1. AA range:201-250
<b>Specificity</b>	Bradykinin B1 R Polyclonal Antibody detects endogenous levels of Bradykinin B1 R protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	B1 bradykinin receptor
<b>Gene Name</b>	BDKRB1
<b>Cellular localization</b>	Cell membrane; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

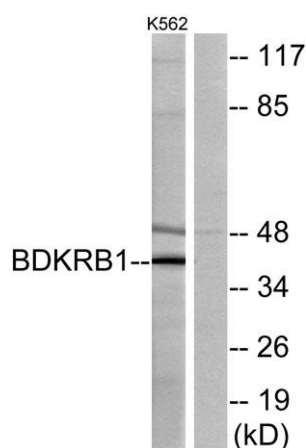
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	40kD
<b>Human Gene ID</b>	623
<b>Human Swiss-Prot Number</b>	P46663
<b>Alternative Names</b>	BDKRB1; BRADYB1; B1 bradykinin receptor; B1R; BK-1 receptor

### Background

Bradykinin, a 9 aa peptide, is generated in pathophysiologic conditions such as inflammation, trauma, burns, shock, and allergy. Two types of G-protein coupled receptors have been found which bind bradykinin and mediate responses to these pathophysiologic conditions. The protein encoded by this gene is one of these receptors and is synthesized de novo following tissue injury. Receptor binding leads to an increase in the cytosolic calcium ion concentration, ultimately resulting in chronic and acute inflammatory responses. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011],



**Immunofluorescence analysis of LOVO cells, using BDKRB1 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Western blot analysis of lysates from K562 cells, using BDKRB1 Antibody. The lane on the right is blocked with the synthesized peptide.**



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