

Product datasheet for **SP4076P**

BDKRB1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 - 15 µg/ml.
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic 18 amino acid peptide from C-terminus of human BDKRB1
Specificity:	<p>Reacts with Human Bradykinin B1 Receptor (Family: GPCR; Subfamily: Bradykinin), C-terminal domain.</p> <p>Bradykinin B1 receptor is generally only minimally expressed under normal physiological conditions, but the expression is induced rapidly under pathologic conditions such as ischemia, atheromatous disease, or exposure to inflammatory cytokines. Expression has been reported in brain, colon, kidney, lung, nasal mucosa, pancreas, prostate, skin, spinal cord, and vessel. ESTs have been isolated from normal human connective tissue libraries and in human kidney and skin cancer libraries.</p>
Formulation:	<p>PBS containing 0.09% Sodium Azide as preservative</p> <p>State: Aff - Purified</p> <p>State: Liquid purified Ig fraction</p>
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	<p>Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Database Link:	<u>Entrez Gene 623 Human P46663</u>



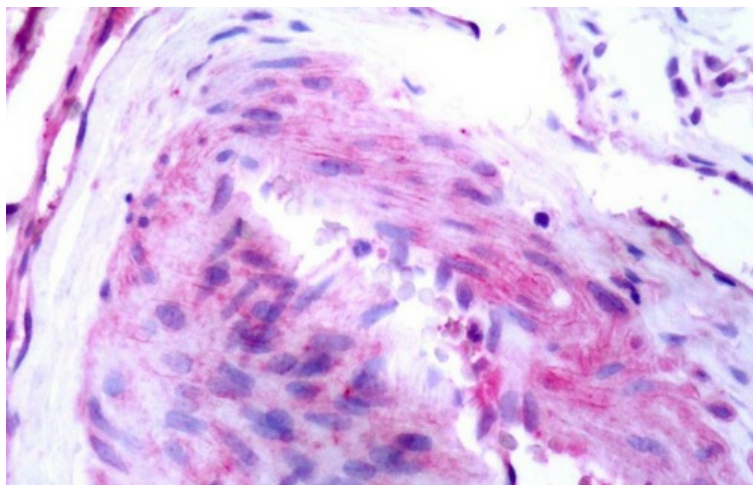
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Background:

Bradykinin Receptor B1 (BKB1) has been implicated in inflammation and nociception. BKB1 receptor is rapidly induced under many inflammatory conditions such as colitis and hyperalgesia, allergic rhinitis, and inflammation. In vitro studies have implicated lipopolysaccharide, interleukins, and interferon as effectors in the rapid induction of BKB1 receptor expression. BKB1 receptor-deficient mice are healthy, fertile, and normotensive but show blunted response to lipopolysaccharide-induced hypotension, reduced migration into inflamed tissues by polymorphonuclear leukocytes, and reduced activity-dependent facilitation of a spinal nociceptive reflex.

Synonyms:

BRADYB1, BKB1R, BKR1, B1 bradykinin receptor, Bradykinin B1 Receptor, BK-1 receptor, B1R

Product images:


Immunohistochemical staining of Human Vascular Smooth Muscle Ssections using anti-BDKRB1 antibody (Formalin-Fixed Paraffin Embedded).