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Goat Anti-Bradykinin receptor B1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1166a

Specification

Goat Anti-Bradykinin receptor B1 Antibody - Product Information

Application	**WB**
Primary Accession	P46663
Other Accession	NP_000701, 623
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**40495**

Goat Anti-Bradykinin receptor B1 Antibody - Additional Information

Gene ID 623

Other Names
B1 bradykinin receptor, B1R, BK-1 receptor, BDKRB1, BRADYB1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Bradykinin receptor B1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Bradykinin receptor B1 Antibody - Protein Information

Name BDKRB1

Synonyms BRADYB1

Function
This is a receptor for bradykinin. Could be a factor in chronic pain and inflammation.

Cellular Location
Cell membrane; Multi-pass membrane protein

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Goat Anti-Bradykinin receptor B1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-Bradykinin receptor B1 Antibody - Images



AF1166a (2 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Bradykinin receptor B1 Antibody - 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.

Goat Anti-Bradykinin receptor B1 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.
Blockade of the kinin B1 receptor ameloriates glomerulonephritis. Klein J, et al. J Am Soc Nephrol, 2010 Jul. PMID 20448019.
Kinin B1 receptors contributes to acute pain following minor surgery in humans. Hamza M, et al. Mol Pain, 2010 Feb 13. PMID 20152050.
Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.
Bradykinin enhances cell migration in human chondrosarcoma cells through BK receptor signaling pathways. Yang WH, et al. J Cell Biochem, 2010 Jan 1. PMID 19885862.

Goat Anti-Bradykinin receptor B1 Antibody - Citations

- Elevated Nectin-2 expression is involved in esophageal squamous cell carcinoma by promoting cell migration and invasion.