10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-BDKRB2 Picoband Antibody

Catalog # ABO11665

Specification

Anti-BDKRB2 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P30411
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for B2 bradykinin receptor(BDKRB2) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-BDKRB2 Picoband Antibody - Additional Information

Gene ID 624

Other Names
B2 bradykinin receptor, B2R, BK-2 receptor, BDKRB2, BKR2

Calculated MW
44461 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cell membrane; Multi-pass membrane protein.

Tissue Specificity
Ubiquitous. Widespread in normal smooth muscle tissue and neurons. .

Protein Name
B2 bradykinin receptor

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human BDKRB2 (357-391aa RSEPIQMENSMGTLRTSISVERQIHKLQDWAGSRQ), different from the related mouse sequence by five amino acids, and from the related rat sequence by seven amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-BDKRB2 Picoband Antibody - Protein Information

Name BDKRB2

Synonyms BKR2

Function
Receptor for bradykinin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Ubiquitous. Widespread in normal smooth muscle tissue and neurons.

Anti-BDKRB2 Picoband 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

Anti-BDKRB2 Picoband Antibody - Images

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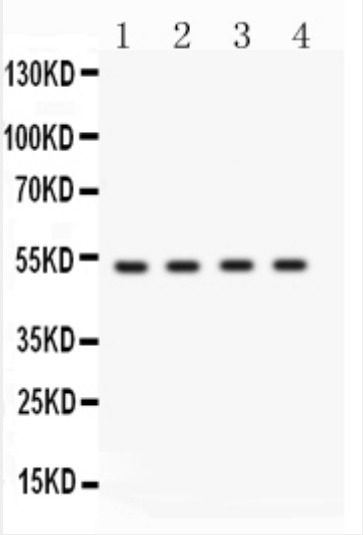

Western blot analysis of BDKRB2 expression in HELA whole cell lysates (lane 1), HEPG2 whole cell lysates (lane 2), MCF-7 whole cell lysates (lane 3) and A549 whole cell lysates (lane 4). BDKRB2 at 50KD was detected using rabbit anti- BDKRB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO11665) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-BDKRB2 Picoband Antibody - Background

Bradykinin receptor B2 is a G-protein coupled receptor forbradykinin, encoded by the BDKRB2 gene in humans. This gene encodes a receptor for bradykinin. The 9 aa bradykinin peptide elicits many responses including vasodilation, edema, smooth muscle spasm and pain fiber stimulation. This receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system. Alternate start codons result in two isoforms of the protein.