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Anti-BDKRB2 Picoband Antibody

Catalog # ABO11665

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.

Additional Information

Gene ID	624
Other Names	B2 bradykinin receptor, B2R, BK-2 receptor, BDKRB2, BKR2
Calculated MW	44461
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Ubiquitous. Widespread in normal smooth muscle tissue and neurons. .
Source	Eukaryota
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.

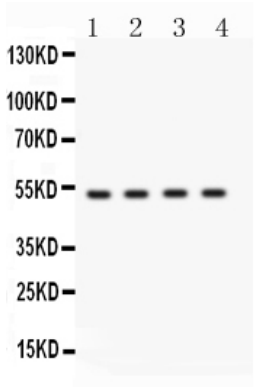
Protein Information

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.

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.

Images



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 .