

# BDKRB2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58023

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P30411</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	44461
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Bdkrb2
<b>Epitope Specificity</b>	51-150/391
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cell membrane; Multi-pass membrane protein.
<b>SIMILARITY</b>	Belongs to the G-protein coupled receptor 1 family. Bradykinin receptor subfamily. BDKRB2 sub-subfamily.
<b>SUBUNIT</b>	Forms a complex with PECAM1 and GNAQ. Interacts with PECAM1.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Bradykinin increases vascular permeability, dilates blood vessels, contracts non-vascular smooth muscle, and causes pain. This product detects a receptor for bradykinin. The receptor is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. Bradykinin B2 receptor expression has been reported in blood, brain, eye, kidney, liver, lung, prostate, skin, small intestine, synovium, uterus, and vessel. ESTs have been isolated from colon, connective tissue, heart, heart/melanocyte/uterus, kidney, lung, placenta, and thyroid libraries.

## Additional Information

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<b>Gene ID</b>	624
<b>Other Names</b>	B2 bradykinin receptor, B2R, BK-2 receptor, BDKRB2, BKR2
<b>Target/Specificity</b>	Ubiquitous. Widespread in normal smooth muscle tissue and neurons.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

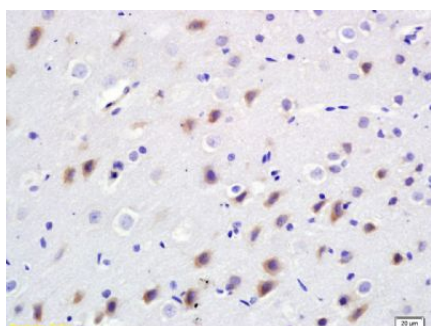
## Protein Information

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<b>Name</b>	BDKRB2
<b>Synonyms</b>	BKR2
<b>Function</b>	Receptor for bradykinin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Ubiquitous. Widespread in normal smooth muscle tissue and neurons.

## Images

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Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Bdkrb2/B2R Polyclonal Antibody, Unconjugated(AP58023) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.