

## Basic Information

<b>Product Name</b>	Anti-BDKRB2 Antibody (Clone#AFAG-2)		
<b>Gene Name</b>	BDKRB2		
<b>Source</b>	Rabbit		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human, mouse		
<b>Tested Application</b>	WB, IHC, IP		
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
<b>Immunogen</b>	A synthesized peptide derived from human BDKRB2 Receptor for bradykinin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.		
<b>Concentration</b>	500 ug/ml		
<b>Purification</b>	Affinity-chromatography		
<b>Observed MW</b>	78 kDa		
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200 ImmunoPrecipitation (IP): 1:50		

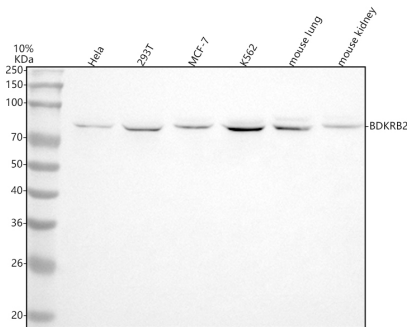
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

Bradykinin receptor B2 is a G-protein coupled receptor for bradykinin, 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.

## Selected Validation Data



Western blot analysis of anti-BDKRB2 antibody (BM5667). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human 293T whole cell lysates,

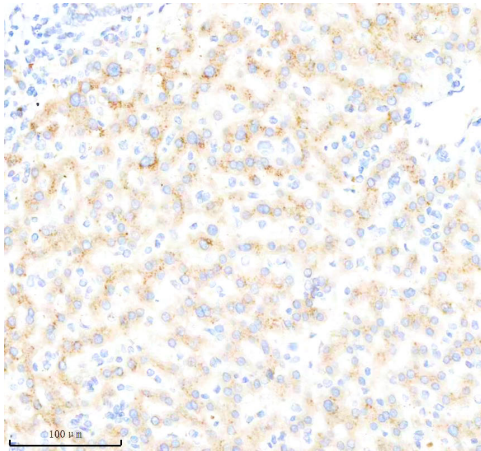
Lane 3: human MCF-7 whole cell lysates,

Lane 4: human K562 whole cell lysates,

Lane 5: mouse lung tissue lysates,

Lane 6: mouse kidney tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-BDKRB2 antigen affinity purified monoclonal antibody (BM5667) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for BDKRB2 at approximately 78 kDa. The expected band size for BDKRB2 is at 44 kDa.



IHC analysis of BDKRB2 using anti-BDKRB2 antibody (BM5667) .

BDKRB2 was detected in a paraffin-embedded section of human liver cancer tissue. The tissue section was incubated with rabbit anti-BDKRB2 Antibody (BM5667) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.