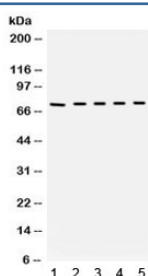


## Bradykinin Antibody / Kininogen (R31794)

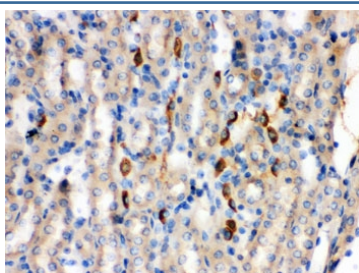
Catalog No.	Formulation	Size
R31794	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	O08677
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Bradykinin antibody is available for research use only.



Western blot testing of mouse 1) lung, 2) testis, 3) liver, 4) HEPA and 5) NEURO lysate with Bradykinin antibody. Expected/observed molecular weight ~72 kDa.



IHC testing of FFPE mouse kidney with Bradykinin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

Kininogen-1 (KNG1), also known as BDK or bradykinin, is a protein that in humans is encoded by the KNG1 gene. It is mapped to 3q27.3. The KNG1 gene uses alternative splicing to generate two different proteins – high – molecular - weight kininogen (HMWK) and low - molecular- weight kininogen (LMWK). HMWK is essential for blood coagulation and assembly of the kallikrein-kinin system. Also, KNG1, a peptide causing numerous physiological effects, is released from HMWK. In contrast to HMWK, LMWK is not involved in blood coagulation. In addition to that, KNG1 is a constituent of the blood coagulation system as well as the kinin-kallikrein system.

## Application Notes

Optimal dilution of the Bradykinin antibody should be determined by the researcher.

## Immunogen

Amino acids ECRGNLFMDINN KIANFSQSCTLYSGDDLVEAL of mouse Bradykinin were used as the immunogen for the Bradykinin antibody.

## Storage

After reconstitution, the Bradykinin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.