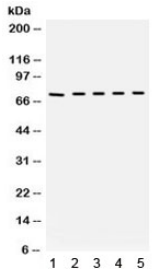
Bradykinin Antibody / Kininogen (R31794)

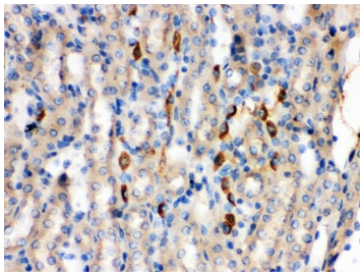
Catalog No.	Formulation	Size
R31794	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O08677
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	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 Â– high Â– 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 ECRGNLFMDINNKIANFSQSCTLYSGDDLVEAL 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.