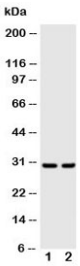
Kallikrein-1 Antibody (R30716)

Catalog No.	Formulation	Size
R30716	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

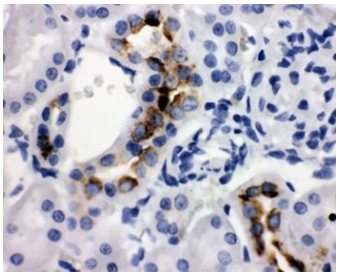
Citations (1)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P00758
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Kallikrein-1 antibody is available for research use only.



Western blot testing of Kallikrein-1 antibody and Lane 1: rat pancreas lysate; 2: rat kidney lysate. Predicted molecular weight ~29 kDa.



IHC-P: Kallikrein-1 antibody testing of rat kidney tissue

Description

Kallikrein-1, also called KLKR, is a protein that in humans is encoded by the KLK1 gene. It is a member of the peptidase S1 family. KLK1 is a serine protease that generates Lys-bradykinin by specific proteolysis of kininogen-1. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19 and its exact cytogenetic location is 19q13.33. The KLK1 gene contains 5 coding exons. And KLK1 is the most centromeric gene in the cluster. Mice lacking tissue kallikrein are unable to generate significant levels of kinins in most tissues and develop cardiovascular abnormalities early in adulthood despite normal blood pressure. The protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Kallikrein-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of rat Kallikrein-1 (YTKLIKFTPWIKEVMKENP) was used as the immunogen for this Kallikrein-1 antibody.

Storage

After reconstitution, the Kallikrein-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.