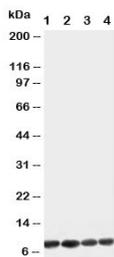


## Apelin Antibody (R30574)

Catalog No.	Formulation	Size
R30574	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>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<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/thimerosal
<b>UniProt</b>	Q9ULZ1
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This Apelin antibody is available for research use only.



Western blot testing of Apelin antibody and Lane 1: U87; 2: MCF-7; 3: HeLa; 4: MM453 cell lysate

## Description

Apelin is a neuropeptide expressed in the supraoptic and paraventricular nuclei that acts on specific receptors located on vasopressinergic neurons. The gene is at Xq25-q26.3, based on sequence similarity between the Apelin sequence and a chromosome X PAC clone. This gene encodes a peptide that functions as an endogenous ligand for the G protein coupled receptor APJ. The encoded protein is synthesized as a prepropeptide that is processed into biologically active C-terminal fragments. The peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1.

## Application Notes

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

## Immunogen

An amino acid sequence from the C-terminus of Apelin (RKFRQRPRLSHKGMPF) was used as the immunogen for this Apelin antibody (100% homologous in human, mouse and rat).

## Storage

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