BT LAB
Bioassay Technology Laboratory

Optimize Your Research

Apelin Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00513
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human APLN. AA range:28-77
Mol wt	8569
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Apelin Antibody
Synonyms	APLN; APEL; Apelin; APJ endogenous ligand

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

APLN encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These 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.

Recommended Dilution

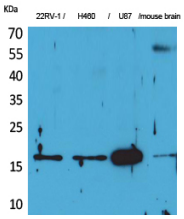
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 300

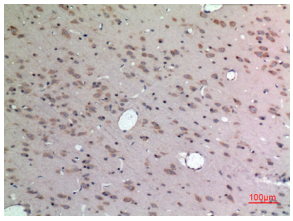
ELISA: 1: 20000

Not yet tested in other applications.

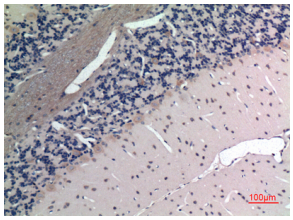
Images



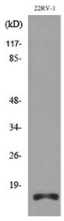
Western Blot analysis of 22RV-1, H460, U87, mouse brain cells using Apelin Polyclonal Antibody. Secondary antibody was diluted at 1:20000



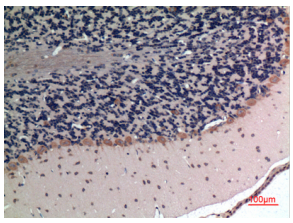
Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Western blot analysis of lysate from 22RV-1 cells, using APLN Antibody.



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100

Storage

-20°C for one year

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