

Datasheet for ABIN6657507
anti-Apelin antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	Apelin (APLN)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Apelin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Apelin Antibody
Immunogen:	Apelin affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the C-terminal of human Apelin.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-Apelin antibody is directed against human Apelin protein.
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.

Target Details

Target:	Apelin (APLN)
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Target Details

Alternative Name:	Apelin (APLN Products)
Background:	Synonyms: APJ endogenous ligand, Background: Apelin is a neuropeptide expressed in the supraoptic and paraventricular nuclei that acts on specific receptors located on vasopressinergic neurons. The apelin gene to 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. This antibody is suitable for researchers interested in neuroscience research. Gene Name: APLN
Gene ID:	8862
NCBI Accession:	NP_059109
UniProt:	Q9ULZ1
Pathways:	Positive Regulation of Peptide Hormone Secretion , Hormone Activity , Feeding Behaviour

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 0.5 µg/mL
Comment:	Anti-Apelin is tested for Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~8.6 kDa corresponding to the appropriate cell lysate or extract.
Restrictions:	For Research Use only

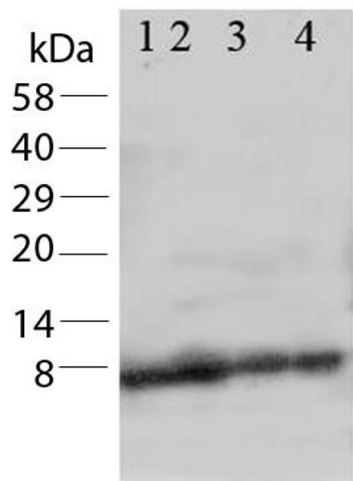
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 200µL
Buffer:	Buffer: 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide Stabilizer: 5 mg BSA Preservative: 0.05 mg Thimerosal

Handling

Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Rabbit Anti-Apelin antibody. Western Blot of Rabbit Anti-Apelin antibody. Lane 1: U87 Cell Lysate. Lane 2: MCF-7 Cell Lysate. Lane 3: HELA Cell Lysate. Lane 4: MM453 Cell Lysate. Load: 35 µg per lane. Primary antibody: Apelin antibody at 1 ug/ml for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 1.5 hr at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~9 kDa for Apelin. Other band(s): none.