Datasheet for ABIN740094

anti-Apelin antibody (AA 65-77) (HRP)

Go to Product page

Overview

Quantity:	100 µL
Target:	Apelin (APLN)
Binding Specificity:	AA 65-77
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Apelin antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Apelin
Isotype:	IgG
Specificity:	The antibody's immunogen sequence is derived from the Apelin-13 peptide. Therefore the Antibody can detect each of the active peptides that can be produced via proteolytic processing of the Apelin precursor.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Apelin (APLN)

Target Details

Alternative Name:	Apelin (APLN Products)
Background:	Synonyms: AGTRL1 ligand, APEL, APEL_HUMAN, Apelin-13, Apelin13, Apelin 13, APJ endogenous ligand, Apln, XNPEP2 Background: Apelin is a neuropeptide expressed in the supraoptic and paraventricular nuclei and is an endogenous ligand for APJ, a G protein-coupled orphan receptor which is an alternative coreceptor with CD4 for HIV-1. Apelin and APJ are ubiquitously expressed in peripheral tissues, with highest levels reported for heart and lungs, as well several regions within the central nervous system. The actions of apelin remain largely unknown: Apelin inhibits HIV-1 entry in cells coexpressing CD4 and APJ, the oral intake of Apelin in colostrum and breast milk could have a role in the modulation of the immune responses in neonates, more recent studies have also indicated a role for Apelin in the central control of body fluid homeostasis, by influencing AVP release and drinking behavior. In the cardiovascular system several actions of Apelin have been described, including endothelium-dependent vasodilatation, vasoconstriction through direct action on smooth muscle and positive inotropism.
Gene ID:	8862
UniProt:	Q9ULZ1
Pathways:	Positive Regulation of Peptide Hormone Secretion, Hormone Activity, Feeding Behaviour

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months