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anti-Apelin antibody (AA 65-77) (AbBy Fluor® 555)



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 AbBy Fluor® 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 breas
	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:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
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

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months