

Apelin Antibody HRP Conjugated

Catalog No: #C04095H

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Description

Product Name	Apelin Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Apelin
Conjugates	HRP
Target Name	Apelin
Other Names	AGTRL1 ligand; APEL; APEL_HUMAN; Apelin-13; Apelin13; Apelin 13; APJ endogenous ligand; Apln; XNPEP2.
Accession No.	NCBI Gene ID8862
Uniprot	Q9ULZ1
GeneID	8862;
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IHC-P=1:50-200 IHC-F=1:50-200

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.

Note: This product is for in vitro research use only