

Rabbit Apelin Polyclonal Antibody | anti-APEL antibody

Apelin Antibody BIOTIN

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA226337	Rabbit	Human, Rat Predicted: Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Apelin; Polyclonal Antibody; Apelin Antibody BIOTIN; AGTRL1 ligand antibody; APEL antibody; Apelin-13 antibody; APJ endogenous ligand antibody; Apln antibody; XNPEP2 antibody; anti-APEL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat Predicted: Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immobilized antigen affinity chromatography
Form/Format	BIOTIN Conjugated
Concentration	IgG in antibody stabilization buffer (varies by lot)
Sequence Length	77
Applicable Applications for anti-APEL antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 25-77 on human Apelin protein.
Conjugation	BIOTIN
Molecular Function	G-protein coupled receptor binding; receptor binding
Subcellular Location	Secreted
Preparation and Storage	Store at -20°C for long term storage.

IMAGES



IHC (Immunohistochemistry)

Rat Small Intestine - Apelin Primary Antibody; ; 1:50 dilution in IHC Blocking Buffer. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40X magnification. FFPE section.

ADDITIONAL INFORMATION

Related Product Information for anti-APEL antibody	Overview: Endogenous ligand for APJ, an alternative coreceptor with CD4 for HIV-1 infection. Inhibits HIV-1 entry in cells coexpressing CD4 and APJ. Apelin-36 has a greater inhibitory activity on HIV infection than other synthetic apelin derivatives. The oral intake in the colostrum and the milk could have a role in the modulation of the immune responses in neonates. May also have a role in the central control of body fluid homeostasis by influencing AVP release and drinking behavior. Structure: Belongs to the apelin family. Expression: Expressed in the brain with highest levels in the frontal cortex, thalamus, hypothalamus and midbrain. Secreted by the mammary gland into the colostrum and the milk.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45120090
NCBI GeneID	8862
NCBI Accession #	NP_059109
NCBI GenBank Nucleotide #	NM_017413.4
UniProt Accession #	Q9ULZ1; Q4VY08; Q8WU89
NCBI Official Full Name	apelin preproprotein
NCBI Official Synonym Full Names	apelin
NCBI Official Symbol	APLN
NCBI Official Synonym Symbols	APEL; XNPEP2
NCBI Protein Information	apelin
UniProt Protein Name	Apelin
UniProt Gene Name	APLN
UniProt Synonym Gene Names	APEL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.