

Rabbit Apelin Polyclonal Antibody | anti-APLN antibody

Anti-Apelin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45089	Rabbit	Reacts with: Human, Rat Predicted to work with: Mouse	Western Blot

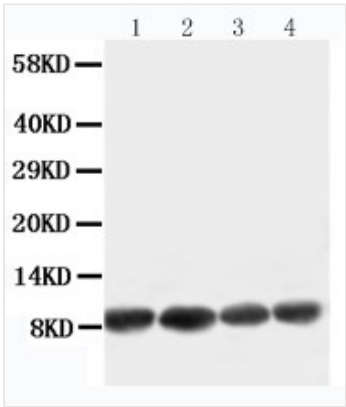
PRODUCT SYNONYMS

Apelin; Polyclonal Antibody; Anti-Apelin antibody; apelin; AGTRL1 ligand antibody; APEL antibody; APEL_HUMAN antibody; Apelin-13 antibody; APJ endogenous ligand antibody; Aplin antibody; XNPEP2 antibody; anti-APLN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Human, Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross-reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	77
Applicable Applications for anti-APLN antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Apelin (60-77aa RKFRQRPRLSHGPMPEF), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-Apelin antibody, AAA45089, Western blottingWorking concentration of primary antibody:
0.5ug/ml; 40ug protein was loaded.Lane 1: U87 Cell LysateLane 2: MCF-7 Cell LysateLane 3:
HELA Cell LysateLane 4: MM453 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-APLN antibody	Description: Rabbit IgG polyclonal antibody for Apelin(APLN) detection. Tested with WB in Human, Mouse, Rat. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20137569
NCBI GeneID	8862
UniProt Accession #	Q9ULZ1; Q4VY08; Q8WU89
NCBI Official Full Name	Apelin
NCBI Official Synonym Full Names	apelin
NCBI Official Symbol	APLN
NCBI Official Synonym Symbols	APEL; XNPEP2
NCBI Protein Information	apelin; AGTRL1 ligand; APJ endogenous ligand
UniProt Protein Name	Apelin
UniProt Gene Name	APLN
UniProt Synonym Gene Names	APEL
UniProt Entry Name	APEL_HUMAN

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.