APLN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	APLN, Polyclonal Antibody
Full Product Name	APLN (Apelin, XNPEP2, APJ Endogenous Ligand, APEL) (MaxLight 750)
Product Gene Name	anti-APLN antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human APLN.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the
Molecular Weight	8,569 Da
Immunogen	Full length human APLN, aa1-123 (AAH21104.1).
Immunogen Sequence	MSATWCSPEGQGMGQGPGREVGGNSAASGPASPIRDPCLSEAGLKGPPSAHPRRLCLLHRLVCFSGGLTSIQLSPRTCCSHQWAQLFSPACFPQWRA
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-APLN antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-APLN antibody	Western Blot (WB)
Application Notes for anti-APLN antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-APLN antibody	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 h 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 respon in the central control of body fluid homeostasis by influencing AVP release and drinking behavior.
Other Notes	Small volumes of anti-APLN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for APLN purchase	MBS6370021 is an antibody targeting APLN. Also known as APLN (Apelin, XNPEP2, APJ Endogenous Ligand, APEL) (MaxLight 750). Reactive in Hu

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APLN. It may not necessarily be applicable to this product.

NCBI GI #	18088893
NCBI GeneID	8862
NCBI Accession #	BC021104
NCBI Related Accession #	AAH21104.1
UniProt Secondary Accession #	Q4VY08; Q8WU89
UniProt Related Accession #	Q9ULZ1
NCBI Official Full Name	Homo sapiens apelin, mRNA
NCBI Official Synonym Full Names	apelin
NCBI Official Symbol	APLN
NCBI Official Synonym Symbols	APEL; XNPEP2
Protein Family	Apelin
NCBI Protein Information	apelin
NCBI Summary for APLN	This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These 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. [provided by RefSeq, Feb 2016]
Research Articles on APLN	**1.** Apelin and APLN SNP rs3761581 was associated with combined hypertension with CRAE, indicating that the expression of APLN gene products may be involved in vascular injury.
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