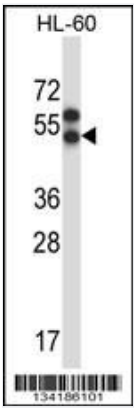
APLNR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	APLNR, Polyclonal Antibody
Full Product Name	APLNR, ID (APLNR, AGTRL1, APJ, Apelin receptor, Angiotensin receptor-like 1, G-protein coupled receptor APJ, G-protein coupled receptor HG11) (APC)
Product Gene Name	anti-APLNR antibody
Product Synonym Names	APLNR; AGTRL1; APJ; Apelin receptor; Angiotensin receptor-like 1; G-protein coupled receptor APJ; G-protein coupled receptor HG11
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 Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	42,660 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (57001051..57004927, complement). Location: 11q12
OMIM	600052
3D Structure	ModBase 3D Structure for P35414
Immunogen	APLNR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-244 amino acids from the Central region of human APLNR.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-APLNR antibody	Antibodies; Angiotensin(ogen)
Applications Tested/Suitable for anti-APLNR antibody	Western Blot (WB), FLISA
Application Notes for anti-APLNR antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-APLNR antibody	This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified.

Product References and Citations for anti-APLNR antibody	Tao, Y., et al. Invest. Ophthalmol. Vis. Sci. 51(8):4237-4242(2010). Zhao, Q., et al. Am. J. Hypertens. 23(6):606-613(2010). Lee, D.K., et al. Biochem. Biophys. Res. Commun. 395(2):185-189(2010). Falcao-Pires, I., et al. Expert Opin. Ther. Targets 14(3):231-241(2010). Peltonen, T., et al. J. Heart Valve Dis. 18(6):644-652(2009).
Other Notes	Small volumes of anti-APLNR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a 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 APLNR purchase	MBS6274358 is an antibody targeting APLNR. Also known as APLNR, ID (APLNR, AGTRL1, APJ, Apelin receptor, Angiotensin receptor-like 1, G-protein coupled receptor APJ, G-protein coupled receptor HG11) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-APLNR antibody
APLNR Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the APLNR antibody detected the APLNR protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	4885057
NCBI GeneID	187
NCBI Accession #	NP_005152.1
UniProt Primary Accession #	P35414
UniProt Related Accession #	P35414
GenBank Nucleotide #	NM_005161.4
NCBI Official Full Name	apelin receptor
NCBI Official Synonym Full Names	apelin receptor
NCBI Official Symbol	APLNR
NCBI Official Synonym Symbols	APJ; APJR; HG11; AGTRL1
UniProt Protein Name	Apelin receptor
UniProt Synonym Protein Names	Angiotensin receptor-like 1; G-protein coupled receptor APJ; G-protein coupled receptor HG11
Protein Family	Apelin receptor
UniProt Gene Name	APLNR
UniProt Synonym Gene Names	AGTRL1; APJ
UniProt Entry Name	APJ_HUMAN

NCBI Protein Information	apelin receptor; APJ receptor; HG11 orphan receptor; APJ (apelin) receptor; angiotensin receptor-like 1; G protein-coupled receptor APJ; G-protein coupled receptor APJ; angiotensin II receptor-like 1; G-protein coupled receptor HG11
UniProt Comments for APLNR	AGTRL1: Receptor for apelin coupled to G proteins that inhibit adenylate cyclase activity. Alternative coreceptor with CD4 for HIV-1 infection; may be involved in the development of AIDS dementia. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 11q12 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; regulation of body fluid levels; heart development; gastrulation
Research Articles on APLNR	**1.** Interactive effects of genetic defects in apelin/APJ pathway might confer a potential risk in Chinese hypertensive patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/aplnr/6274358