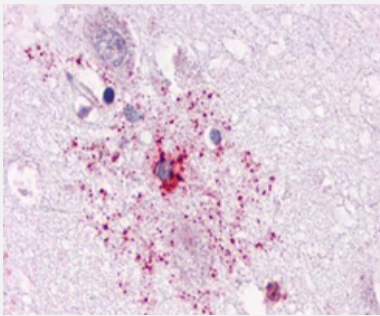


APLNR polyclonal antibody

Catalog # PAB25524

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed, paraffin-embedded human brain, astrocyte tissue after heat-induced antigen retrieval. Using APLNR polyclonal antibody (Cat # PAB25524).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of APLNR.
Immunogen	A synthetic peptide corresponding to 16 amino acids at 1st cytoplasmic domain of human APLNR.
Host	Rabbit
Reactivity	Hamster, Horse, Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-7 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed, paraffin-embedded human brain, astrocyte tissue after heat-induced antigen retrieval.

Using APLNR polyclonal antibody (Cat # PAB25524).

Gene Info — APLNR

Entrez GeneID [187](#)

Gene Name APLNR

Gene Alias AGTRL1, APJ, APJR, FLJ90771, MGC45246

Gene Description apelin receptor

Omim ID [600052](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations APJ (apelin) receptor|angiotensin II receptor-like 1|angiotensin receptor-like 1

Publication Reference

- [Apelin system detection in the reproductive apparatus of ewes grazing on semi-natural pasture.](#)

Mercati F, Scocco P, Maranesi M, Acuti G, Petrucci L, Cocci P, Renzi A, De Felice E, Dall'Aglio C.

Theriogenology 2019 Nov; 139:156.

Application: IHC-P, Sheep, Ovary, Uterus

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Cardiomyopathy](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Stroke](#)