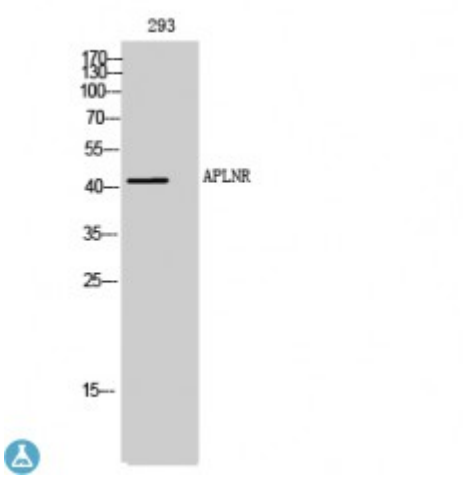
Anti-APLNR antibody



Description	Rabbit polyclonal to APLNR.

Model	STJ91630
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human APLNR
Immunogen Region	110-190 aa, Internal
Gene ID	187
Gene Symbol	APLNR
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	APLNR Polyclonal Antibody detects endogenous levels of APLNR protein.
Tissue Specificity	Expressed in heart, brain, kidney, stomach, spleen, thymus, lung, ovary, small intestine and colon, adipose tissues and pancreas . Expressed in glial cells, astrocytes and neuronal subpopulations . Expressed in embryonic (ESCs) and induced (iPSCs) pluripotent stem cells .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Apelin receptor Angiotensin receptor-like 1 G-protein coupled receptor APJ G-protein coupled receptor HG11

Molecular Weight	43 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:339OMIM:600052
Alternative Names	Apelin receptor Angiotensin receptor-like 1 G-protein coupled receptor APJ G-protein coupled receptor HG11
Function	Receptor for apelin receptor early endogenous ligand (APELA) and apelin (APLN) hormones coupled to G proteins that inhibit adenylate cyclase activity . Plays a key role in early development such as gastrulation and heart morphogenesis by acting as a receptor for APELA hormone . Plays also a role in various processes in adults such as regulation of blood vessel formation, blood pressure, heart contractility, and heart failure by acting as a receptor for APLN hormone . (Microbial infection) Alternative coreceptor with CD4 for HIV-1 infection; may be involved in the development of AIDS dementia .
Cellular Localization	Cell membrane. After exposure to apelin (APLN), internalized from the cell surface into an endosomal recycling compartment, from where it is recycled to the cell membrane . After exposure to apelin receptor early endogenous ligand (APELA), internalized from the cell surface into an endosomal recycling compartment, from where it is recycled to the cell membrane .