

Product datasheet for **TA364319**

Apelin (APLN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Bovine, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Lys-Phe-Arg-Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly- Pro-Met-Pro-Phe-OH coupled to a carrier protein.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	apelin
Database Link:	Entrez Gene 8862 Human Q9ULZ1
Background:	Apelin (also known as APLN) is a peptide that in humans is encoded by the APLN gene. It is the endogenous ligand for the G-protein-coupled APJ receptor that is expressed at the surface of some cell types. Apelin is widely expressed in various organs such as the heart, lung, kidney, liver, adipose tissue, gastrointestinal tract, brain, adrenal glands, endothelium, and human plasma. Apelin-17 is a potent diuretic neuropeptide counteracting vasopressin actions through inhibition of vasopressin neuron activity and vasopressin release. This antibody was generated by immunization of rabbits with Apelin-17 coupled to a carrier protein.
Synonyms:	APEL; apelin; XNPEP2



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