

**Anti-Apelin Antibody (C-Terminus)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18454****Specification**

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**Anti-Apelin Antibody (C-Terminus) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">O9ULZ1</a>
Predicted	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8569

**Anti-Apelin Antibody (C-Terminus) - Additional Information****Gene ID** 8862**Alias Symbol** **APLN****Other Names**

APLN, AGTRL1 ligand, Apelin, APEL, Preproapelin, APJ endogenous ligand, XNPEP2

**Target/Specificity**

Recognizes endogenous levels of Apelin protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-Apelin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Apelin Antibody (C-Terminus) - Protein Information****Name** APLN**Synonyms** APEL**Function**

Endogenous ligand for the apelin receptor (APLNR) (PubMed:<a href="http://www.uniprot.org/citations/10525157" target="\_blank">10525157</a>). Drives internalization of the apelin receptor (By similarity). Apelin-36 dissociates more hardly than (pyroglu)apelin-13 from APLNR (By similarity). Hormone involved in the regulation of cardiac precursor cell movements during gastrulation and heart morphogenesis (By similarity). Has an inhibitory effect on cytokine production in response to T-cell receptor/CD3 cross-linking; the oral intake of apelin in the colostrum and the milk might therefore modulate immune responses in neonates (By similarity). Plays a role in early coronary blood vessels formation (By similarity). Mediates myocardial contractility in an ERK1/2-dependent manner (By similarity). May also have a role in the central control of body fluid homeostasis by influencing vasopressin release and

drinking behavior (By similarity).

**Cellular Location**

Secreted {ECO:0000250|UniProtKB:Q9TUI9}. Secreted, extracellular space {ECO:0000250|UniProtKB:Q9TUI9} Note=Abundantly secreted in the colostrum. Lower level in milk Decreases rapidly within several days after parturition in milk, but is still detectable even in commercial milk {ECO:0000250|UniProtKB:Q9TUI9}

**Tissue Location**

Expressed in the brain with highest levels in the frontal cortex, thalamus, hypothalamus and midbrain (PubMed:10617103) Secreted by the mammary gland into the colostrum and the milk

**Anti-Apelin Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Apelin Antibody (C-Terminus) - Images**