

## Rabbit Apelin Polyclonal Antibody | anti-APLN antibody

Apelin Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA29162  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry |

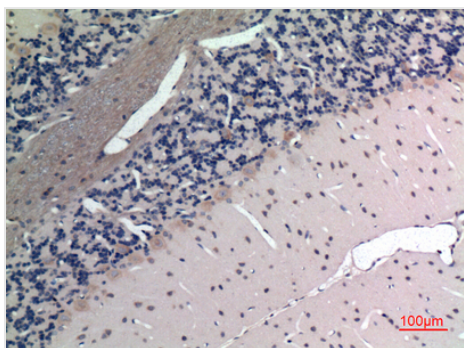
### PRODUCT SYNONYMS

Apelin; Polyclonal Antibody; Apelin Polyclonal Antibody; APLN; APEL; APJ endogenous ligand; anti-APLN antibody

### PRODUCT SPECIFICATIONS

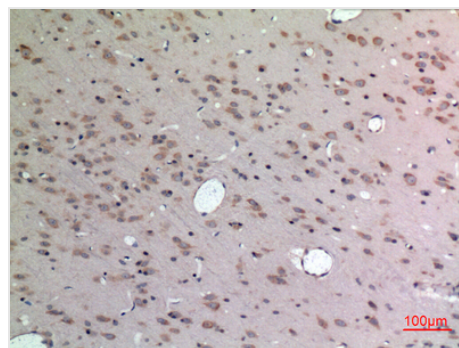
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-APLN antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



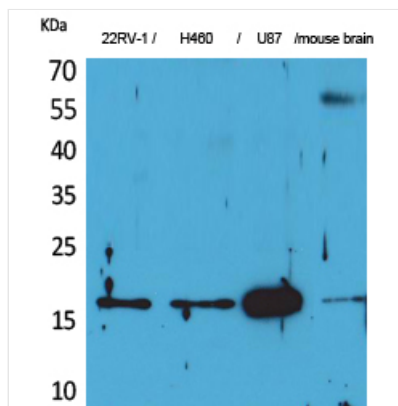
IHC (Immunohistochemistry)

Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.



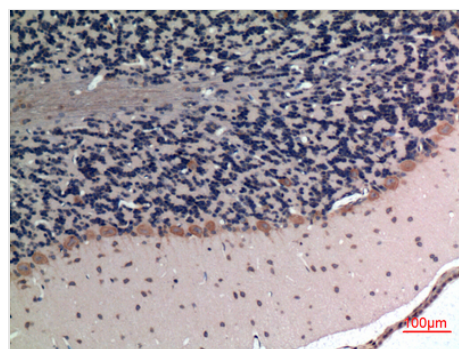
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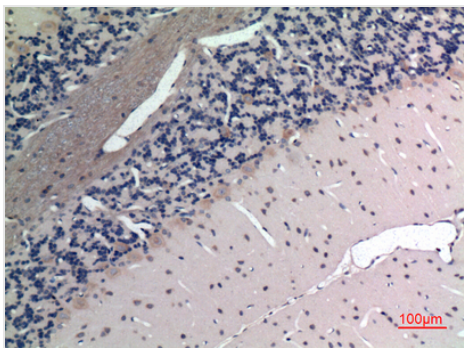
Application Data

Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.



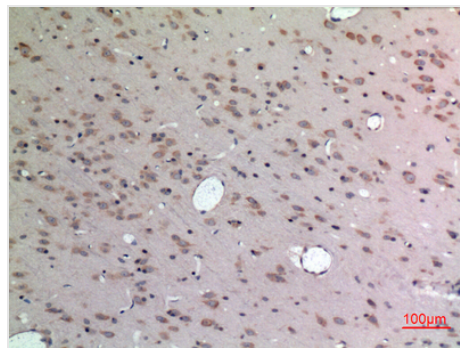
IHC (Immunohistochemistry-Paraffin)

Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.



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Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.



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Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

## ADDITIONAL INFORMATION

**Related Product Information for anti-APLN antibody**

Endogenous ligand for the apelin receptor (APLNR)(PubMed:10525157). 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).

## NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 45120090                                     |
| NCBI GeneID                      | 8862                                         |
| NCBI Accession #                 | NP_059109.3                                  |
| NCBI GenBank Nucleotide #        | NM_017413.4                                  |
| UniProt Accession #              | Q9ULZ1; Q4VY08; Q8WU89                       |
| Molecular Weight                 | 8,569 Da                                     |
| NCBI Official Full Name          | apelin preproprotein                         |
| NCBI Official Synonym Full Names | apelin                                       |
| NCBI Official Symbol             | APLN                                         |
| NCBI Official Synonym Symbols    | APEL; XNPEP2                                 |
| NCBI Protein Information         | apelin; AGTRL1 ligand; APJ endogenous ligand |
| UniProt Protein Name             | Apelin                                       |
| UniProt Gene Name                | <b>APLN</b>                                  |
| UniProt Synonym Gene Names       | APEL                                         |
| UniProt Entry Name               | APEL_HUMAN                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apelin-antibody-western-blot-immunohistochemistry-elisa/29162>