



BMA BIOMEDICALS



Peninsula Laboratories

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## Rabbit anti Cortistatin-29

Cortistatin-29 is a neuropeptide that is structurally similar to somatostatin-28. It is produced by cleavage of preprocortistatin to procortistatin, which is cleaved at dibasic amino acids to form cortistatin-29 and cortistatin-14 as well as other partial cleavage products. Cortistatin mRNA is expressed in the human brain and in interneurons of the rat hippocampus and cerebral cortex. It is found at similar levels as cortistatin-14 in mouse AtT20 cells but is secreted at a lower level. Cortistatin-29 corresponds to residues 85-112 of the rat peptide sequence.

This antibody was generated by immunization of rabbits with Cortistatin-29 coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b>        | T-4839 (Lot A06532)                                                                                                                                                                   |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                            |
| <b>Host species:</b>          | Rabbit IgG                                                                                                                                                                            |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                 |
| <b>Quantity:</b>              | 400µg                                                                                                                                                                                 |
| <b>Format:</b>                | Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. |
|                               | Reconstitute by adding 0.2ml of distilled water.                                                                                                                                      |
| <b>Stability and Storage:</b> | Original vial: 1 year at 4° - 8°C from date of purchase.<br>Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.                                           |
| <b>Immunogen:</b>             | Synthetic peptide Pyr-Glu-Gly-Ala-Pro-Pro-Gln-Gln-Ser-Ala-Arg-Arg-Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys-OH coupled to a carrier protein.                |
| <b>Protein database:</b>      | n/a                                                                                                                                                                                   |

### Cross-Reactivity:

| PEPTIDE:               | %:  |
|------------------------|-----|
| Cortistatin-29 (human) | 100 |
| Cortistatin-29 (rat)   | 0   |
| Cortistatin-17 (human) | 0   |

**Cross-Reactivity:**

| PEPTIDE:                    | %: |
|-----------------------------|----|
| Cortistatin-14 (mouse, rat) | 0  |
| Somatostatin-14             | 0  |
| Somatostatin-28             | 0  |
| Neurotensin                 | 0  |

**Applications:**

Tested in ELISA against Cortistatin-29 and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

**Approximate working dilution for IHC:**

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see [www.bma.ch](http://www.bma.ch) for protocols and general information

**Related Products:**

T-4772: Rabbit anti Cortistatin-17 (hu), diluted antiserum  
T-4773: Rabbit anti Cortistatin-17 (hu), purified IgG  
T-4768: Rabbit anti Cortistatin-17 (hu), neat antiserum  
T-4740: Rabbit anti Cortistatin-17 (hu), neat antiserum  
T-4742: Rabbit anti Cortistatin-17 (rt), neat antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.