



BMA BIOMEDICALS



Peninsula Laboratories

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## Rabbit anti Urocortin

Urocortin is a 40-amino acid peptide that in humans is encoded by the UCN gene. It belongs to the corticotropin-releasing factor (CRF) family of proteins which includes CRF, urotensin I, sauvagine, urocortin II and urocortin III. Urocortin is expressed widely in the central and peripheral nervous systems, with a pattern similar to that of CRF. Areas of similarity between urocortin and CRF expression include the supraoptic nucleus and the hippocampus. It is also expressed in the median eminence, the Edinger-Westphal nucleus, and the sphenoid nucleus. Additionally, Urocortin is expressed in peripheral tissues such as the heart. It is involved in the mammalian stress response, and regulates aspects of appetite and stress response.

This antibody was generated by immunization of rabbits with Urocortin coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

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|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b>        | T-4287 (Lot 041225-1)                                                                                                                                                                                                              |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                                                         |
| <b>Host species:</b>          | Rabbit                                                                                                                                                                                                                             |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                                              |
| <b>Quantity:</b>              | 1.0 ml                                                                                                                                                                                                                             |
| <b>Format:</b>                | Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100.<br><br>Reconstitute by adding 1.0 ml 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 H-Asp-Asp-Pro-Pro-Leu-Ser-Ile-Asp-Thr-Phe-His-Leu-Leu-Arg-Thr-Leu-Leu-Glu-Leu-Ala-Arg-Thr-Gln-Ser-Gln-Arg-Glu-Arg-Ala-Glu-Gln-Asn-Arg-Ile-Ile-Phe-Asp-Ser-Val-NH <sub>2</sub> coupled to carrier protein.        |
| <b>Protein database:</b>      | <u><a href="#">rat-P55090</a></u>                                                                                                                                                                                                  |

**Cross-Reactivity:**

| PEPTIDE                             | %   |
|-------------------------------------|-----|
| Urocortin (rat)                     | 100 |
| Urocortin (human)                   | 100 |
| CRF (human, rat)                    | 0   |
| Sauvagine                           | 0   |
| Urotensin I                         | 0   |
| Urotensin II (goby)                 | 0   |
| LHRH                                | 0   |
| Somatostatin-14                     | 0   |
| GRF (1-44) (human)                  | 0   |
| GRF (1-43) (rat)                    | 0   |
| Thr-Ala-Pro-Arg-ANF (1-28) (human)  | 0   |
| Stresscopin (human)                 | 0   |
| Stresscopin Related Peptide (human) | 0   |

**Applications:**

Tested in ELISA against Urocortin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

**Related Products:**

T-4286: Rabbit anti Urocortin, neat antiserum, (rt)

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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.