



BMA BIOMEDICALS



Peninsula Laboratories

T-4287

Rabbit anti Urocortin (rat) [UniProt:P55090]

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	041225-1
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	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.
Applications:	This antibody has been tested and validated 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 www.bma.ch for protocols and general information.
Immunogen:	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 ₂ coupled to carrier protein.

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

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

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4287

diluted antiserum

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