



BMA BIOMEDICALS



Peninsula Laboratories

T-4736

Rabbit anti Urotensin II (human) [UniProt: 095399]

Urotensin-II is a 11-amino acid peptide ligand, agonist for the urotensin-II receptor which is a G protein-coupled receptor that primarily activates the alpha subunit Gαq11. It is the strongest known vasoconstrictor. Because of the involvement of the UII system in multiple biological systems such as the cardiovascular, nervous, endocrine, and renal, it represents a promising target for the development of new drugs.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

| | |
|----------------------|--|
| Lot number: | n/a |
| 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 Urotensin-II. 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-Glu-Thr-Pro-Asp-Cys-Phe-Trp-Lys-Tyr-Cys-Val-OH, (Disulfide bond) coupled to carrier protein. |

Cross-Reactivity:

| PEPTIDE: | % |
|----------------------|----------|
| Urotensin II (human) | 100 |
| Urotensin II (goby) | 100 |
| Urotensin II (mouse) | 10 |
| Urotensin II (rat) | 0 |
| Urotensin I | 0 |
| CRF (human, rat) | 0 |
| Urocortin (human) | 0 |
| Urocortin (rat) | 0 |
| Somatostatin | 0 |
| [Arg8]- Vasopressin | 0 |
| Angiotensin II | 0 |
| Calcitonin (salmon) | 0 |
| NPY (human, rat) | 0 |

Related Products: S-1256: ELISA, high sensitivity for extracted samples
T-4738: Rabbit anti Urotensin II (hu), neat antiserum
T-4737: Rabbit anti Urotensin II (hu), purified IgG
T-4798: Rabbit anti Urotensin II-Related Peptide, neat antiserum
T-4797: Rabbit anti Urotensin II-Related Peptide, purified IgG

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-4736

diluted antiserum

1.3.2021