BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Urotensin II

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

Catalog Number:	T-4737 (Lot 016024)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	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.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Glu-Thr-Pro-Asp-Cys-Phe-Trp-Lys-Tyr-Cys-Val-OH, (Disulfide bond) coupled to carrier protein.
Protein database:	human-O95399

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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-14	0
[Arg8]- Vasopressin	0
Angiotensin II	0
Calcitonin (salmon I)	0
NPY (human, rat)	0

Applications:

Tested in ELISA against Urotensin II 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** for protocols and general information

Related Products:

T-4736: Rabbit anti Urotensin II (hu), diluted antiserum
T-4738: Rabbit anti Urotensin II (hu), neat antiserum
T-4798: Rabbit anti Urotensin II-Related Peptide, neat antiserum
T-4797: Rabbit anti Urotensin II-Related Peptide, purified IgG
S-1256: ELISA, high sensitivity for extracted samples

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

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