BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Urotensin II-Related Peptide (URP)

Urotensin II-Related Peptide (URP) is a cyclic neuropeptide that is found in all vertebrates that have been genome sequenced so far. It has a long-lasting hypotensive effect and may also regulate reproduction. It is part of the Urotensin II system and is one of the two endogenous ligands for rats, mice, and possibly humans.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4797 (Lot 022174)
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-Ala-Cys-Phe-Trp-Lys-Tyr-Cys-Val-NH2 coupled to carrier protein.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE:	%:
Urotensin II-Related Peptide (human, mouse, rat)	100
Urotensin II (goby)	11.7
Urotensin II (human)	9
Urotensin II (mouse)	5.8
(Pyr^{110})-Prepro-Urotensin II (110-123)	3.6

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Cross-Reactivity:

PEPTIDE:	%:
(Pen^5)-Urotensin II (4-11) (human)	0
Urotensin I	0

Applications:

Tested in ELISA against Urotensin II-Related Peptide 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-4737: Rabbit anti Urotensin II (hu), purified IgG
T-4798: Rabbit anti Urotensin II-Related Peptide, neat antiserum
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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