



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Angiotensin I

Angiotensin I (Angiotensin 1-10, also known as Proangiotensin) is a decapeptide formed by the action of renin on angiotensinogen. Angiotensin I can be cleaved to the octapeptide Angiotensin II (Angiotensin 1-8) by the angiotensin-converting enzyme (ACE).

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4164 (Lot A16889)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock 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. Reconstitute by adding 1.0 ml 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-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-OH coupled to carrier protein.
Protein database:	<u>human-P01019</u> , <u>mouse-P11859</u> , <u>rat-P01015</u> , <u>ovine-P20757</u>

Cross-Reactivity:

PEPTIDE	%
Angiotensin I	100
[Asn ¹ , Val ⁵ , Asn ⁹]-Angiotensin-I	100
[Asn ¹ , Val ⁵]-Angiotensin-I	13
[Val ⁵ , Asn ⁹]-Angiotensin-I	100
[Val ⁵ , Ser ⁹]-Angiotensin-I	100
Angiotensin-A	0
Angiotensin II	0
Angiotensin III	0
Neurotensin	0

Cross-Reactivity:

PEPTIDE	%
Substance P	0
[Arg ⁸]-Vasopressin	0
Endothelin-1 (human, canine, porcine, rat, mouse)	0
BNP-32 (human)	0
α -ANP (1-28) (human, canine)	0
Renin Substrate (human)	0

Cross-reactivity data is taken from radioimmunoassay and or enzyme immunoassay applications.

Applications:

Tested in ELISA against Angiotensin I. 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:

S-1188: ELISA, Angiotensin I (1-10) high sensitivity for extracted samples

S-1330: ELISA, Angiotensin I (1-7) high sensitivity for extracted samples

S-1535: ELISA, Angiotensin I (1-9) high sensitivity for extracted samples

T-4166: Rabbit anti Angiotensin I, neat antiserum

T-4165: Rabbit anti Angiotensin I, purified IgG

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