



BMA BIOMEDICALS



Peninsula Laboratories

T-4030

Rabbit anti α -Calcitonin Gene-Related Peptide (canine, mouse, rat) [UniProt: Q9MYV1, Q99JA0, P01256]

α -Calcitonin Gene-Related Peptide (α -CGRP) is a regulatory neuropeptide of 37 amino acids and is formed by the alternative splicing of the calcitonin / CGRP gene located on chromosome 11. It is widely distributed in both the peripheral and central nervous system, predominantly in cell bodies of the dorsal root ganglion (DRG) and it is known to be a potent vasodilator with inotropic and chronotropic effects.

This antibody was generated by immunization of rabbits with α -Calcitonin Gene-Related Peptide coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	970548-2
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of 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° - 8°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 α -CGRP. 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-Ser-Cys-Asn-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asp-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Glu-Ala-Phe-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
α -CGRP (canine, mouse, rat)	100
α -CGRP (human)	8
β -CGRP (rat)	14
β -CGRP (human)	11
CCK	16
Amylin Amide (rat)	<0.01
Amylin (free acid) (human)	<0.001
Calcitonin (rat)	0
Dynorphin A	0
NPY (human)	0
Somatostatin-14	0
Substance P	0

Related Products: T-4031: anti α -CGRP (cn, ms, rt), purified IgG, host: rabbit
T-4032: anti α -CGRP (cn, ms, rt) neat antiserum, host: rabbit
T-5053: anti α -CGRP (cn, ms, rt) neat antiserum, host: ginea pig
S-1167: ELISA, high sensitivity, for extracted samples (cn, ms, rt)

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.

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diluted antiserum – cn, ms, rt

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