



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti α -Calcitonin gene-related peptide (α -CGRP)

Calcitonin gene-related peptide (CGRP) is a member of the calcitonin family of peptides, which in humans exist in two forms: α -CGRP and β -CGRP. α -CGRP, also known as CGRP I, is a 37-amino acid regulatory neuropeptide formed from the alternative splicing of the calcitonin/CGRP gene located on chromosome 11. While β -CGRP differs from α -CGRP by three amino acids and is encoded in a separate gene within the same vicinity. α -CGRP is widely distributed in the central and peripheral nervous system, and it is known to be the most potent vasodilator with inotropic and chronotropic effects.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4239 (Lot A15683)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Rat
Quantity:	50 μ l
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 μ l distilled water. This will give the equivalent of undiluted antiserum.
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-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH ₂ , (Disulfide bond) coupled to carrier protein.
Protein database:	rat-P01256

Applications:

Tested in immunohistochemistry (IHC) and ELISA against CGRP. Other applications like 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.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4229: anti Calcitonin (hu) diluted antiserum

T-4230: anti Calcitonin (hu) purified IgG

S-1196: ELISA, high sensitivity for extracted samples (hu)

S-1441: ELISA, extraction-free for serum/plasma samples

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.