



BMA BIOMEDICALS



Peninsula Laboratories

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## T-5027

### Guinea pig anti $\alpha$ -Calcitonin Gene-Related Peptide (human) [UniProt: P06881]

$\alpha$ -Calcitonin Gene-Related Peptide ( $\alpha$ -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 guinea pigs with  $\alpha$ -Calcitonin Gene-Related Peptide coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A18PO23023
<b>Host species:</b>	Guinea pig
<b>Quantity:</b>	50 $\mu$ l
<b>Format:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 $\mu$ l distilled water. This will give the equivalent of undiluted antiserum.
<b>Stability:</b>	Original vial: at least one year at 4 $^{\circ}$ - 8 $^{\circ}$ C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 $^{\circ}$ C or below.
<b>Applications:</b>	This antibody has been validated in immunohistochemistry (IHC). Other applications like ELISA, FACS or Western Blot may work as well. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
	<b>Approximate working dilution for IHC:</b> Paraffin sections: (1:200) after proteinase K pretreatment. Optimal dilutions should be determined by the end user.
<b>Immunogen:</b>	Synthetic peptide H-Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH <sub>2</sub> , (Disulfide bond) coupled to carrier protein.

Related Products: T-4238: anti  $\alpha$ -CGRP (hu), purified IgG, host: rabbit  
T-4239: anti  $\alpha$ -CGRP (hu) neat antiserum, host: rabbit  
T-4537: anti-  $\alpha$ -CGRP (hu), diluted antiserum, host: rabbit  
S-1198:  $\alpha$ -CGRP (hu) ELISA, extraction-free for serum/plasma samples  
S-1199:  $\alpha$ -CGRP (hu) ELISA, high sensitivity, for extracted samples

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This product contains no 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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03.09.2023