

Product datasheet

anti-Calcitonin Gene Related Peptide (rat) guinea pig polyclonal, serum

Short overview

Cat. No.	16013
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Calcitonin gene-related peptide (synthetic, rat, (#6006, Peninsula), conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P06881 (Human)
Synonym	Calcitonin gene-related peptide 1, Alpha-type CGRP, Calcitonin gene-related peptide I, CGRP-I, CALCA, CALC1
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC
Reactivity	Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:800-1:1,200
Immunohistochemistry (IHC) - paraffin	1:800-1:1,200 (microwave treatment recommended)

Background

The CGRP-sequence was predicted from the corresponding mRNA. CGRP is present in the C-cells of the thyroid and in nerves, in both brain and periphery, particularly within the sensory system. CGRP is a potent vasodilator, probably involved in neurogenic inflammation. Medullary carcinomas of the thyroid contain large amounts of CGRP. Absorption with 10-100 µg CGRP per ml diluted antiserum abolishes the staining while calcitonin does not. Does not cross-react with amylin (IAPP). Positive control: frozen sections of rat colon.

Product images



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References

Publication	Species	Application
Bechakra, M. et al. Clinical, electrophysiological, and cutaneous innervation changes in patients with bortezomib-induced peripheral neuropathy reveal insight into mechanisms of neuropathic pain. Mol.Pain. 14, 1744806918797040 (2018).	human	IHC (paraffin)
Schulze, E., Witt, M., Fink, T., Hofer, A. & Funk, R. H. W. Immunohistochemical detection of human skin nerve fibers. Acta Histochem. 99, 301â€“309 (1997).	human	IHC (frozen)