Product datasheet

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

Short overview

Cat. No.	16010
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic human calcitonin gene-related peptide (CGRP; #6009, Peninsula)
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	P06881 (Human)
Synomym	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, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:1,000-1:2,000
Immunohistochemistry (IHC) - paraffin	1:1,000-1:2,000 (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 ug CGRP per ml diluted antiserum abolishes the staining while calcitonin, does not. Cross-reacts with amylin (IAPP).Positive control: Stefanini-fixed frozen sections of rat colon.

Product images



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References

Publication	Species	Application
Persson, K., Johansson, K., Alm, P., Larsson, B. & Andersson, K. E. Morphological and functional evidence against a sensory and sympathetic origin of nitric oxide synthase-containing nerves in the rat lower urinary tract. Neuroscience 77, 271â€“81 (1997)	rat	IHC (frozen)
Ekblad, E., Ekman, R., HÃ¥kanson, R. & Sundler, F. Projections of peptide-containing neurons in rat colon. Neuroscience 27, 655â€“74 (1988).	rat	IHC (frozen)