

EUD6401**Polyclonal Antibody to CGRP / CALCA - Serum**

Alternate names:	Alpha-type CGRP, CALC1, CGRP-I, Calcitonin gene-related peptide I
Quantity:	50 µl
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.
Uniprot ID:	P06881
NCBI:	NP_001029125.1
GeneID:	796
Host:	Guinea Pig
Immunogen:	Synthetic Calcitonin Gene Related Peptide (Peninsula), conjugated to BSA.
Format:	State: Lyophilized undiluted Serum Reconstitution: Dissolve the antiserum in 50-100 µl distilled water and dilute further in 0.1M PBS with 1% BSA and 0.09% Sodium Azide.
Applications:	Immunohistochemistry on Paraffin Embedded or Frozen Tissue Sections. Immunofluorescence Microscopy: Dilute 1/800-1/1200 Using FITC with overnight incubation at 2-8°C. <i>Recommended Positive Control:</i> Frozen sections of Rat colon. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with Calcitonin gene-related peptide (CGRP). Absorption with 10-100 µg CGRP per ml diluted antiserum abolishes the staining while Calcitonin does not. It does not cross-react with Amylin (IAPP). Species: Human, Mouse and Rat. Other species not tested.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Veres TZ, Shevchenko M, Krasteva G, Spies E, Prenzler F, Rochlitzer S, et al. Dendritic cell-nerve clusters are sites of T cell proliferation in allergic airway inflammation. <i>Am J Pathol.</i> 2009 Mar;174(3):808-17. doi: 10.2353/ajpath.2009.080800. Epub 2009 Jan 29. PubMed PMID: 19179611.

General Readings:

1. Mulder H, Lindh AC, Ekblad E, Westermark P, Sundler F. Islet amyloid polypeptide is expressed in endocrine cells of the gastric mucosa in the rat and mouse. *Gastroenterology*. 1994 Sep;107(3):712-9. PubMed PMID: 8076756.
2. Schulze E, Witt M, Fink T, Hofer A, Funk RH. Immunohistochemical detection of human skin nerve fibers. *Acta Histochem*. 1997 Aug;99(3):301-9. PubMed PMID: 9381913.