

Product datasheet for **BP022**

Calca Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC
Recommended Dilution:	ELISA: 1/500-1/2500. Immunofluorescence. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections.
Reactivity:	Mouse, Reptiles, Rat, Guinea Pig
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic Rat Tyr-CGRP (23-37) conjugated to gamma Globulin
Specificity:	Recognizes Calcitonin gene-related peptide, also known as CGRP, a neuropeptide that acts as a vasodilator and may play a role in migraine. This antibody is reactive with both whole molecule (1-37) and the C-terminal fragment (23-37). Specifically visualises CGRP in brain cells.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	calcitonin-related polypeptide alpha



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Database Link: [Entrez Gene 24241 Rat P01256](#)

Background: CGRP is present in C-cells of the thyroid and in central and peripheral nerves. CGRP has several important physiologic roles: it is a potent vasodilator, and can affect the force and rate of heart beat; it can modulate acetylcholine receptor function at the neuromuscular junction; it has been demonstrated to block tolerance to morphine; and it can modulate antigen presentation in Langerhans cells in the skin. Despite these important physiologic functions, therapeutic strategies using CGRP have been impeded due to the lack of a cloned CGRP receptor with which ligands could be developed.

Synonyms: Calcitonin gene-related peptide I, Alpha-type CGRP, CALC1, CGRP-I

Note: The antibody has been described to work with reptilian material.

Product images:

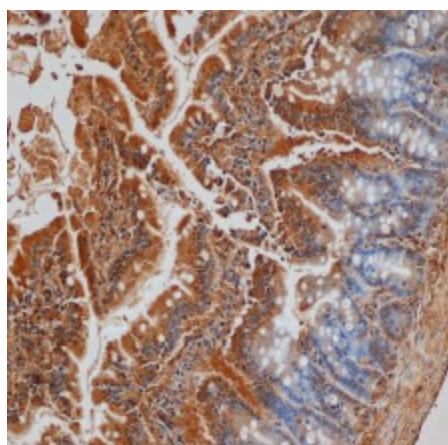


Figure 1. Paraffin embedded rat intestine stained with goat anti Rat CGRP antibody.