

Sheep Calcitonin gene related peptide Polyclonal Antibody | anti-CGRP antibody

Calcitonin gene related peptide polyclonal antibody

CATALOG # AAA76999	HOST Sheep	REACTIVITY Human, Mouse, Rat, Rabbit	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Calcitonin gene related peptide; Polyclonal Antibody; Calcitonin gene related peptide polyclonal antibody; CGRP; anti-CGRP antibody

PRODUCT SPECIFICATIONS

Host	Sheep
Reactivity	Human, Mouse, Rat, Rabbit
Clonality	Polyclonal
Purity/Purification	Ammonium sulphate precipitation.
Form/Format	Liquid. In PBS containing 0.1% sodium azide.
Applicable Applications for anti-CGRP antibody	IHC (Immunohistochemistry)
Source	Purified from sheep serum
Immunogen	Synthetic peptide corresponding to a portion of rat alpha -calcitonin gene-related peptide (CGRP).
Cross reactivity	Likely to react with other mammalian species (based on homology, not tested).
Preparation and Storage	Long term storage: -20°C Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis: Vibratome (70 µm) sections of rat spinal cord immunostained with sheep polyclonal antiserum to CGRP at a dilution of 1:1000. Negative images of fluorescence detection procedure (Alexa488 conjugated secondary antibody). Micrograph courtesy of Professor Andrew Todd (University of Glasgow).

ADDITIONAL INFORMATION

Related Product Information for anti-CGRP antibody	Calcitonin gene-related peptide (CGRP) is a 37-amino acid disulphide-bridged sensory neuropeptide present in the central and peripheral nervous systems of many animal species. Two forms of CGRP (alpha and beta) have been identified from both rat and human, and the sequence of chicken CGRP has also been reported, showing striking structural similarity to the mammalian forms. CGRP is abundant in perivascular sensory neurons and is known to be a potent vasodilator. Recent work supports the role of CGRP in mediating skin vasodilatation and differential mesenteric artery vasorelaxation, as well as serving as an endogenous myocardial protective substance with a possible involvement in the inhibition of human platelet aggregation. CGRP is frequently co-localised with Substance P and immunoelectron microscopic observations have shown that the peptides are co-stored in single secretory granules both in sensory neurons and in thyroid C-cells. There are many hundreds of reports in the scientific literature describing the localisation and co-existence of CGRP with other transmitter molecules in a vast array of mammalian and non-mammalian species.
Product Categories/Family for anti-CGRP antibody	Cell Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	115485
NCBI GeneID	24241
UniProt Accession #	P01256; P01257
NCBI Official Full Name	Calcitonin gene-related peptide 1
NCBI Official Synonym Full Names	calcitonin-related polypeptide alpha
NCBI Official Symbol	Calca
NCBI Official Synonym Symbols	CAL6; CGRP; Cal1; Calc; RATCAL6; calcitonin
NCBI Protein Information	calcitonin gene-related peptide 1
UniProt Protein Name	Calcitonin gene-related peptide 1
UniProt Gene Name	Calca
UniProt Synonym Gene Names	Calc; CGRP-I
UniProt Entry Name	CALCA_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calcitonin-gene-related-peptide-antibody-immunohistochemistry-elisa/76999>