


## Product datasheet

### Anti-CGRP antibody [4901] ab81887

★★★★★ [9 Abreviews](#) [129 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-CGRP antibody [4901]
<b>Description</b>	Mouse monoclonal [4901] to CGRP
<b>Host species</b>	Mouse
<b>Specificity</b>	ab81887 is specific for Calcitonin Gene Related Peptide. It also recognizes rat beta CGRP and human alpha CGRP (10 fold less sensitivity compared to rat alpha CGRP).
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-Fr, Flow Cyt <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Guinea pig, Human <b>Predicted to work with:</b> Mammals 
<b>Immunogen</b>	Full length protein corresponding to Rat CGRP aa 1 to the C-terminus. Database link: <a href="#">P01256</a>
<b>Positive control</b>	Dorsal root ganglia
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.50 Constituents: 0.01% BSA, 50% Glycerol, 0.87% Sodium chloride, 0.238% HEPES
<b>Purity</b>	Protein G purified
<b>Primary antibody notes</b>	This antibody is an excellent tool for immunohistochemistry and for multiple labeling immunofluorescence of peripheral tissue like stomach, intestine, pancreas, sensory ganglia, and all the regions of the body that are innervated by primary afferent neurons as well as central nervous tissue.

Clonality	Monoclonal
Clone number	4901
Isotype	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab81887 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/50 - 1/100.
IHC-Fr	★★★★★ (4)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 24430801 <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

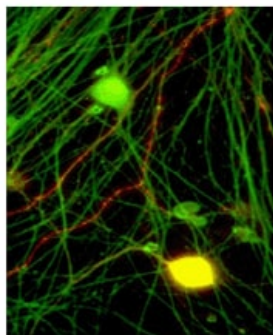
**Application notes** Is unsuitable for WB.

## Target

**Relevance** 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.

**Cellular localization** Endoplasmic reticulum and Secreted

## Images



Immunofluorescent staining of CGRP (red) in cryopreserved DRG neurons grown on coverslips using ab81887 at 1/50 dilution. Green staining is PGP9.5. Yellow staining is the colocalization of CGRP and PGP9.5.

Immunocytochemistry/ Immunofluorescence - Anti-CGRP antibody [4901] (ab81887)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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