

## ARG23507 anti-CGRP antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes CGRP. Goat anti Rat Calcitonin Gene-Related Peptide antibody recognizes Calcitonin gene-related peptide, also known as CGRP, a neuropeptide that acts as a vasodilator and plays a role in the pathophysiology of migraine (Recober & Russo 2009). Goat anti Rat Calcitonin Gene-Related Peptide antibody reacts with both the whole molecule (amino acids 1-37) and the C-terminal fragment (23-37).
Tested Reactivity	Ms, Rat, Gpig
Tested Application	ELISA, ICC/IF, IHC-Fr, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CGRP
Species	Rat
Immunogen	Synthetic Rat Tyr-CGRP (23-37) conjugated to gamma globulin.
Conjugation	Un-conjugated
Alternate Names	CALC1; CGRP-I; Calcitonin gene-related peptide 1; CGRP1; Calcitonin gene-related peptide I; Alpha-type CGRP; CGRP

### Application Instructions

Application table	Application	Dilution
	ELISA	1:500 - 1:2500
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

Gene Symbol	CALCA
Gene Full Name	Calcitonin gene-related peptide 1
Background	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Function	CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP. [UniProt]
Calculated Mw	14 kDa