

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