

ARG10814 anti-PGCB antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PGCB
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PGCB
Antigen Species	Human
Immunogen	Synthetic peptide around the C-terminus of PGCB protein.
Conjugation	Un-conjugated
Alternate Names	ANPRB; AMDM; GUCY2B; ECDM; Atrial natriuretic peptide receptor 2; NPR-B; SNSK; NPRBi; Guanylate cyclase B; NPRB; ANPb; Atrial natriuretic peptide receptor type B; GUC2B; EC 4.6.1.2; GC-B; ANPR-B; ANP-B

Application Instructions

Application table	Application	Dilution
	Confocal	1:200
	Dot	1:10000
	ELISA	1:10000
	ICC/IF	1:50 - 1:200
	IHC	1:200
	IP	1:200
	WB	1:500

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Calculated Mw 117 kDa

Properties

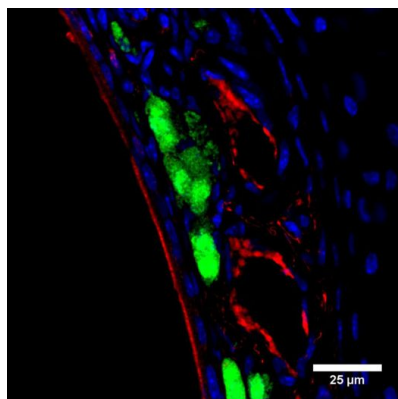
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.

Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 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. 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	NPR2
Gene Full Name	natriuretic peptide receptor 2
Background	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type. [provided by RefSeq, Jul 2008]
Function	Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth. [UniProt]

Images



ARG10814 anti-PGCB antibody IHC image

Immunohistochemistry: Thin section of Mouse nose tissue stained with ARG10814 anti-PGCB antibody (red). Green: Grueneberg ganglion neurons. Blue: Nuclei. Staining is found on blood vessel walls.



ARG10814 anti-PGCB antibody WB image

Western blot: Recombinant PGCB protein stained with ARG10814 anti-PGCB antibody at 1:500 dilution.