

ARG11117 anti-CNPase antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CNPase
Tested Reactivity	Hu, Ms, Rat, Cow, Pig
Tested Application	IHC-Fr, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CNPase
Species	Human
Immunogen	Recombinant full-length Human CNPase.
Conjugation	Un-conjugated
Alternate Names	CNPase; 2',3'-cyclic-nucleotide 3'-phosphodiesterase; CNP1; CNP; EC 3.1.4.37

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:3000
	WB	1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 48 kDa	

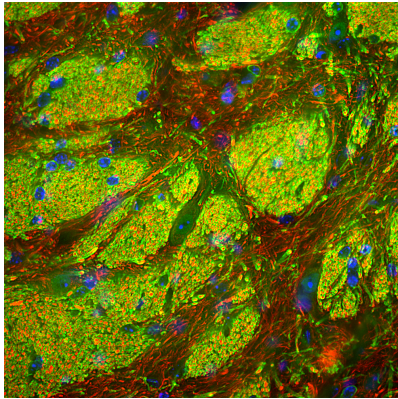
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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

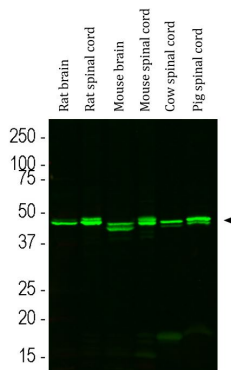
Gene Symbol	CNP
Gene Full Name	2',3'-cyclic nucleotide 3' phosphodiesterase
Function	May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Membrane; Lipid-anchor. Melanosome. Note=Firmly bound to membrane structures of brain white matter. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [UniProt]

Images



ARG11117 anti-CNPase antibody IHC-Fr image

Immunohistochemistry: Frozen section of Mouse striatum stained with ARG11117 anti-CNPase antibody (green) at 1:3000 dilution, and co-stained with [ARG10732](#) anti-Neurofilament NF-L antibody (red) at 1:5000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of mouse with 4% paraformaldehyde, the brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with above antibodies.).



ARG11117 anti-CNPase antibody WB image

Western blot: Rat brain, Rat spinal cord, Mouse brain, Mouse spinal cord, Cow spinal cord and Pig spinal cord lysates stained with ARG11117 anti-CNPase antibody at 1:5000 dilution.

Bands at 46 kDa and 48 kDa mark correspond to the two major isotypes.