

Rabbit CNPase Polyclonal Antibody | anti-CNPase antibody

CNPase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329391	Rabbit	Human, Mouse, Monkey Predicted Reactivity: Pig (83%), Bovine (83%), Horse (83%), Sheep (83%), Dog (83%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CNPase; Polyclonal Antibody; CNPase Antibody; 2"; 2'3' cyclic nucleotide 3' phosphodiesterase; 3"-cyclic-nucleotide 3"-phosphodiesterase; CN37_HUMAN; CNP 1; CNP; CNP1; anti-CNPase antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Monkey Predicted Reactivity: Pig (83%), Bovine (83%), Horse (83%), Sheep (83%), Dog (83%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	CNPase Antibody detects endogenous levels of total CNPase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CNPase antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CNPase, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Exists as monomers and homodimers.
Similarity	Belongs to the 2H phosphoesterase superfamily. CNPase family.
Subcellular Location	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.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

Staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from VERO, using CNPase Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CNPase antibody	May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin. Nucleoside 2',3'-cyclic phosphate + H2O = nucleoside 2'-phosphate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94721261
NCBI GeneID	1267
NCBI Accession #	NP_149124.3
NCBI GenBank Nucleotide #	NM_033133.4
UniProt Accession #	P09543
Molecular Weight	421
NCBI Official Full Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
NCBI Official Synonym Full Names	2',3'-cyclic nucleotide 3' phosphodiesterase
NCBI Official Symbol	CNP
NCBI Official Synonym Symbols	CNP1
NCBI Protein Information	2',3'-cyclic-nucleotide 3'-phosphodiesterase; CNPase; 2', 3' cyclic nucleotide 3' phosphohydrolase
UniProt Protein Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
UniProt Gene Name	CNP
UniProt Synonym Gene Names	CNP; CNPase
UniProt Entry Name	CN37_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.