

Product Name: KD-Validated CNP Mouse Monoclonal Antibody**Catalog #: KVA00594**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 Kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 47.6kDa

Antigen Information

Gene Name	CNP CNP; 2',3'-Cyclic Nucleotide 3' Phosphodiesterase; 2',3'-Cyclic-Nucleotide 3'-
Alternative Names	Phosphodiesterase; EC 3.1.4.37; CNPase; 2', 3' Cyclic Nucleotide 3' Phosphohydrolase; HLD20; CNP1
Gene ID	1267.0
SwissProt ID	P09543
Immunogen	Recombinant protein of human CNPase

Background

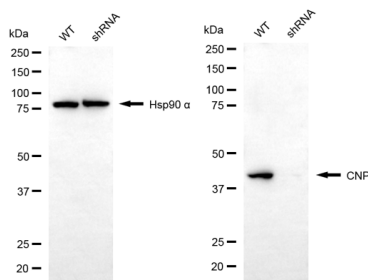
Predicted to enable 2',3'-cyclic-nucleotide 3'-phosphodiesterase activity. Involved in substantia nigra development. Located in cytoplasm; extracellular space; and microtubule. Implicated in hypomyelinating leukodystrophy 20; multiple sclerosis; and

schizophrenia. Biomarker of alcoholic liver cirrhosis; multiple sclerosis; and restless legs syndrome. [provided by Alliance of Genome Resources, Jul 2025]

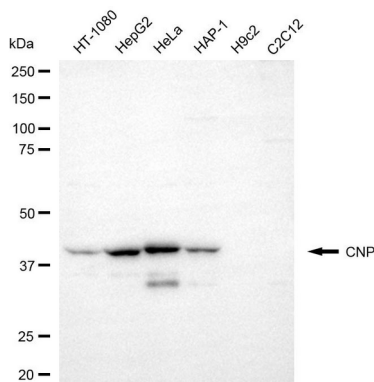
Research Area

Neuroscience, Tags & Cell Markers

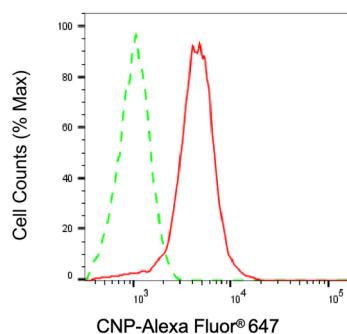
Image Data



Western blotting analysis using CNP antibody (KVA00594). CNP expression in wild-type (WT) and CNP shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CNP antibody (KVA00594, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CNP antibody (KVA00594). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CNP antibody (KVA00594, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of CNP expression in HepG2 cells using CNP antibody (KVA00594, 1:2,000). Green, isotype control; red, CNP.