

KD-Validated Anti-CNP Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2005**Specification**

KD-Validated Anti-CNP Mouse Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P09543
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1/Kappa
Calculated MW	Predicted, 48 kDa, observed, 40 kDa
Gene Name	KDa
Aliases	CNP CNP; 2',3'-Cyclic Nucleotide 3' Phosphodiesterase; 2',3'-Cyclic-Nucleotide 3'-Phosphodiesterase; EC 3.1.4.37; CNPase; 2', 3' Cyclic Nucleotide 3' Phosphohydrolase; HLD20; CNP1 KLH conjugated synthetic peptide derived from human CNPase
Immunogen	

KD-Validated Anti-CNP Mouse Monoclonal Antibody - Additional Information

Gene ID	1267
Other Names	
2', 3'-cyclic-nucleotide 3'-phosphodiesterase, CNP, CNPase, 3.1.4.37, CNP (HGNC:2158)	

KD-Validated Anti-CNP Mouse Monoclonal Antibody - Protein Information**Name** CNP ([HGNC:2158](#))**Function**

Catalyzes the formation of 2'-nucleotide products from 2',3'- cyclic substrates (By similarity). May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin (By similarity).

Cellular Location

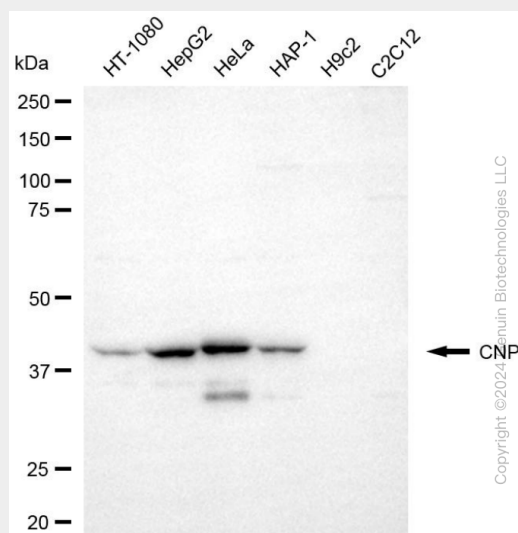
Membrane {ECO:0000250|UniProtKB:P16330}; Lipid- anchor {ECO:0000250|UniProtKB:P16330}. Melanosome. Note=Firmly bound to membrane structures of brain white matter. {ECO:0000250|UniProtKB:P16330}

KD-Validated Anti-CNP Mouse Monoclonal Antibody - Protocols

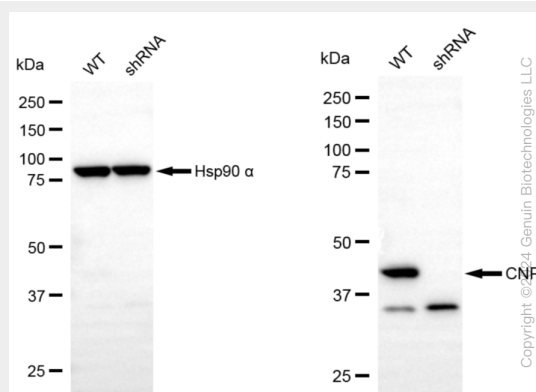
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-CNP Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-CNP antibody (Cat#AGI2005). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CNP antibody (Cat#AGI2005, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-CNP antibody (Cat#AGI2005). 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 anti-CNP antibody (Cat#AGI2005, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.