

## Rabbit CNP Polyclonal Antibody | anti-CNP antibody

CNP antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                 | APPLICATIONS                       |
|-----------|--------|--------------------------------------------|------------------------------------|
| AAA197682 | Rabbit | Dog, Horse, Human, Mouse, Pig, Rabbit, Rat | Western Blot, Immunohistochemistry |

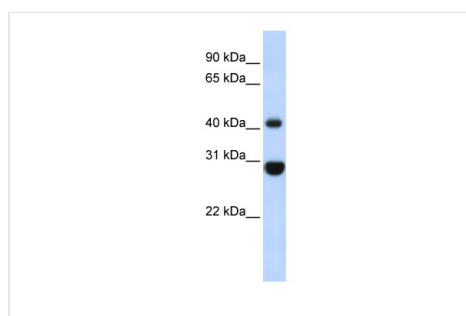
### PRODUCT SYNONYMS

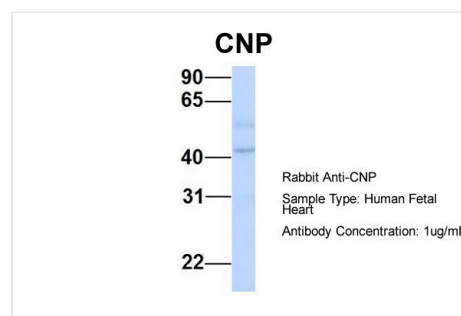
CNP; Polyclonal Antibody; CNP antibody - middle region; anti-CNP antibody

### PRODUCT SPECIFICATIONS

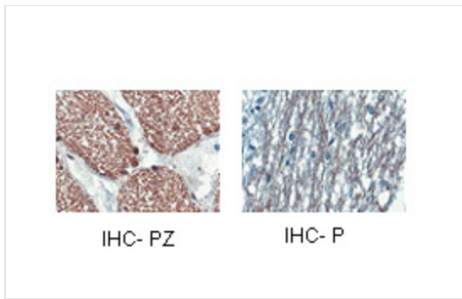
|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Dog, Horse, Human, Mouse, Pig, Rabbit, Rat                                                                                                            |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Purity/Purification                           | Affinity Purified                                                                                                                                     |
| Form/Format                                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                      | Synthetic peptide with the following region: LY SLGNRWMLT LAKNMEVRAI FTGYGKGKP VPTQGSRKGG ALQSCTII                                                    |
| Sequence Length                               | 421                                                                                                                                                   |
| Applicable Applications for anti-CNP antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                      | Dog: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 79%; Rabbit: 93%; Rat: 86%                                                                        |
| Immunogen                                     | The immunogen is a synthetic peptide directed towards the middle region of human CNP                                                                  |
| Preparation and Storage                       | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES

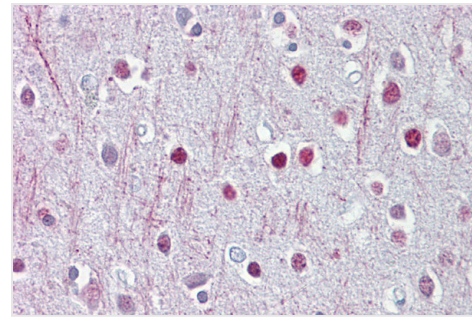

**WB (Western Blot)**

WB Suggested Anti-CNP Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:62500  
Positive Control: Fetal Muscle

**WB (Western Blot)**

Host: Rabbit  
Target Name: CNP  
Sample Type: Human Fetal Heart  
Antibody Dilution: 1.0ug/ml



**IHC (Immunohistochemistry)**  
human optic nerve and spinal cord



**IHC (Immunohistochemistry)**  
Sample Type: Human brainBrain, cortex

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CNP antibody</b> | <p>This is a rabbit polyclonal antibody against CNP. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: CNP belongs to the cyclic nucleotide phosphodiesterase family. It interacts with tubulin and promotes microtubule assembly for process outgrowth in oligodendrocytes. reduced CNP expression in the schizophrenic brain is relevant to disease etiology and therefore provide support for the general hypothesis that altered oligodendrocyte function is an etiological factor in schizophrenia.</p> |
| <b>Product Categories/Family for anti-CNP antibody</b>   | <p>Polyclonal; <a href="#">Drugs and Drug Metabolism</a>; <a href="#">Chromatin &amp; Nuclear Signaling</a>; <a href="#">Disease Related</a>; <a href="#">Immunohistochemistry</a></p>                                                                                                                                                                                                                                                                                                                                                                            |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">94721261</a>                               |
| <b>NCBI GeneID</b>                      | <a href="#">1267</a>                                   |
| <b>NCBI Accession #</b>                 | <a href="#">NP_149124</a>                              |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_033133</a>                              |
| <b>UniProt Accession #</b>              | <a href="#">P09543</a>                                 |
| <b>Molecular Weight</b>                 | 47kDa                                                  |
| <b>NCBI Official Full Name</b>          | 2',3'-cyclic-nucleotide 3'-phosphodiesterase isoform 1 |
| <b>NCBI Official Synonym Full Names</b> | 2',3'-cyclic nucleotide 3' phosphodiesterase           |
| <b>NCBI Official Symbol</b>             | CNP                                                    |
| <b>NCBI Official Synonym Symbols</b>    | CNP1                                                   |
| <b>NCBI Protein Information</b>         | 2',3'-cyclic-nucleotide 3'-phosphodiesterase           |
| <b>UniProt Protein Name</b>             | 2',3'-cyclic-nucleotide 3'-phosphodiesterase           |
| <b>UniProt Gene Name</b>                | <b>CNP</b>                                             |
| <b>UniProt Synonym Gene Names</b>       | CNP; CNPase                                            |
| <b>UniProt Entry Name</b>               | 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/cnp-antibody-western-blot-immunohistochemistry-elisa/197682>