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# CPN2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13198a

## Product Information

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|---|---|
| **Application** | IHC-P, WB, E |
| **Primary Accession** | P22792 |
| **Other Accession** | NP_001073982.2 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB32881 |
| **Calculated MW** | 60557 |
| **Antigen Region** | 21-50 |

## Additional Information

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| **Gene ID** | 1370 |
| **Other Names** | Carboxypeptidase N subunit 2, Carboxypeptidase N 83 kDa chain, Carboxypeptidase N large subunit, Carboxypeptidase N polypeptide 2, Carboxypeptidase N regulatory subunit, CPN2, ACBP |
| **Target/Specificity** | This CPN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human CPN2. |
| **Dilution** | IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CPN2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CPN2 |
| **Synonyms** | ACBP |

**Function** The 83 kDa subunit binds and stabilizes the catalytic subunit at 37 degrees Celsius and keeps it in circulation. Under some circumstances it may be an allosteric modifier of the catalytic subunit.

**Cellular Location** Secreted.

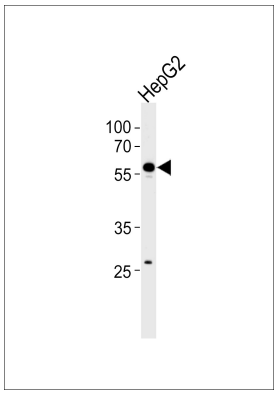
## Background

The 83 kDa subunit binds and stabilizes the catalytic subunit at 37 degrees Celsius and keeps it in circulation. Under some circumstances it may be an allosteric modifier of the catalytic subunit.

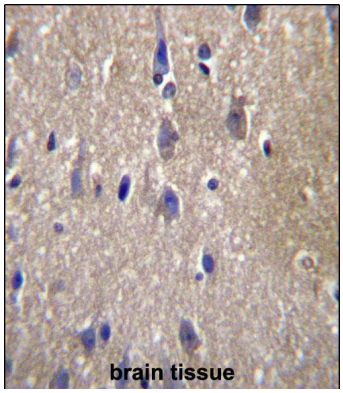
## References

Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005)
Bunkenborg, J., et al. Proteomics 4(2):454-465(2004)
Riley, D.A., et al. Genomics 50(1):105-108(1998)
Tan, F., et al. J. Biol. Chem. 265(1):13-19(1990)
Skidgel, R.A., et al. Biochem. Biophys. Res. Commun. 154(3):1323-1329(1988)

## Images




Western blot analysis of lysate from HepG2 cell line, using CPN2 Antibody (N-term)(Cat. #AP13198a). AP13198a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.




CPN2 Antibody (N-term) (Cat. #AP13198a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CPN2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.