

CPN2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7348a

Specification

CPN2 Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	<u>P22792</u>
Reactivity	Human
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	60557
Antigen Region	74-103

CPN2 Antibody (N-term) - Additional Information

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 74-103 amino acids from the N-terminal region of human CPN2.

Dilution $FC \sim 1:10 \sim 50$ $IHC-P \sim 1:50 \sim 100$ $WB \sim 1:1000$ $E \sim -Use$ at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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.

CPN2 Antibody (N-term) - Protein Information

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.

CPN2 Antibody (N-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CPN2 Antibody (N-term) - Images



Western blot analysis of CPN2 antibody (N-term) (Cat.#AP7348a) in jurkat cell line lysates (35ug/lane). CPN2 (arrow) was detected using the purified Pab.





CPN2 Antibody (N-term) (RB18703) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CPN2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CPN2 Antibody (N-term) (Cat.#AP7348a) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CPN2 Antibody (N-term) - Background

CPN2, 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.

CPN2 Antibody (N-term) - References

Liu,T., Qian,W.J. J. Proteome Res. 4 (6), 2070-2080 (2005) Riley,D.A., Tan,F. Genomics 50 (1), 105-108 (1998) Skidgel,R.A. Biochem. Biophys. Res. Commun. 154 (3), 1323-1329 (1988)