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CPN2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13198a

Product Information

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

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 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

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.

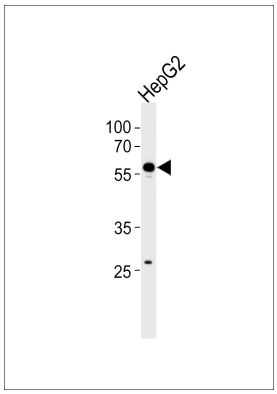
Background

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.

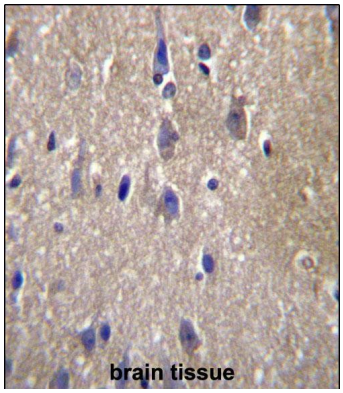
References

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'.