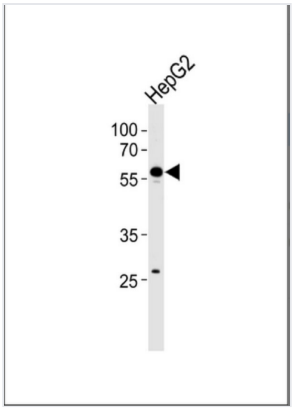
CPN2 Antibody – Rabbit Polyclonal

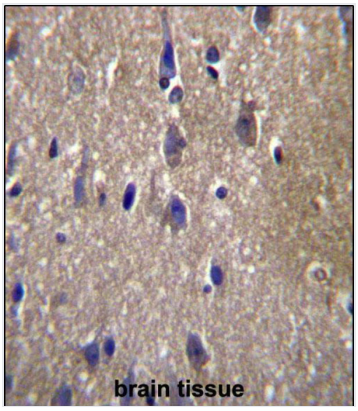
PRODUCT OVERVIEW

Product Name	CPN2, Polyclonal Antibody
Full Product Name	CPN2, NT (CPN2, ACBP, Carboxypeptidase N subunit 2, Carboxypeptidase N 83kD chain, Carboxypeptidase N large subunit, Carboxypeptidase N polypeptide 2, Carboxypeptidase N regulatory subunit) (PE)
Product Gene Name	anti-CPN2 antibody
Product Synonym Names	CPN2; ACBP; Carboxypeptidase N subunit 2; Carboxypeptidase N 83kD chain; Carboxypeptidase N large subunit; Carboxypeptidase N polypeptide 2; Carboxypeptidase N regulatory subunit
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human CPN2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	60,557 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (194060494..194072057, complement). Location: 3q29
OMIM	603104
3D Structure	ModBase 3D Structure for P22792
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 21-50 in the N-terminal region of human CPN2.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CPN2 antibody	Antibodies; Enzymes; Carboxypeptidase
Applications Tested/Suitable for anti-CPN2 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), FLISA
Application Notes for anti-CPN2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CPN2 antibody	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.
Product References and Citations for anti-CPN2 antibody	1. Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005). 2. Bunkenborg, J., et al. Proteomics 4(2):454-465(2004). 3. Riley, D.A., et al. Genomics 50(1):105-108(1998). 4. Tan, F., et al. J. Biol. Chem. 265(1):13-19(1990). 5. Skidgel, R.A., et al. Biochem. Biophys. Res. Commun. 154(3):1323-1329(1988).

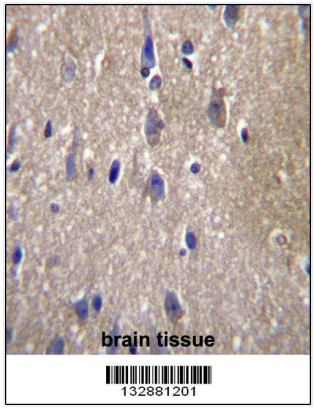
Other Notes	Small volumes of anti-CPN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CPN2 purchase	MBS6288328 is an antibody targeting CPN2. Also known as CPN2, NT (CPN2, ACBP, Carboxypeptidase N subunit 2, Carboxypeptidase N 83kD chain, Carboxypeptidase N large subunit, Carboxypeptidase N polypeptide 2, Carboxypeptidase N regulatory subunit) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CPN2 antibody
Western Blot analysis of lysate from HepG2 cell line (35ug/lane), using MBS6013027 (1:1000) at each lane. An IgG H&L (HRP) goat anti-rabbit (1:5000) was used as the secondary antibody.



Immunohistochemistry (IHC) of anti-CPN2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue, using MBS6013027 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6013027 for immunohistochemistry.



Testing Data of anti-CPN2 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPN2. It may not necessarily be applicable to this product.

NCBI GI #	256217721
NCBI GeneID	1370
NCBI Accession #	NP_001073982.2
UniProt Primary Accession #	P22792
UniProt Secondary Accession #	Q86SU4; Q8N5V4; B2RPE7
UniProt Related Accession #	P22792
GenBank Nucleotide #	NM_001080513.2
NCBI Official Full Name	carboxypeptidase N subunit 2
NCBI Official Synonym Full Names	carboxypeptidase N, polypeptide 2
NCBI Official Symbol	CPN2

NCBI Official Synonym Symbols	ACBP
UniProt Protein Name	Carboxypeptidase N subunit 2
UniProt Synonym Protein Names	Carboxypeptidase N 83 kDa chain; Carboxypeptidase N large subunit; Carboxypeptidase N polypeptide 2; Carboxypeptidase N regulatory subunit
Protein Family	Carboxypeptidase
UniProt Gene Name	CPN2
UniProt Synonym Gene Names	ACBP
UniProt Entry Name	CPN2_HUMAN
NCBI Protein Information	carboxypeptidase N subunit 2; carboxypeptidase N 83 kDa chain; carboxypeptidase N large subunit; carboxypeptidase N regulatory subunit; carboxypeptidase N, polypeptide 2, 83kD; arginine carboxypeptidase (carboxypeptidase N)
UniProt Comments for CPN2	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. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 3q29 Cellular Component: extracellular region Molecular Function: enzyme regulator activity Biological Process: protein stabilization; regulation of catalytic activity
Research Articles on CPN2	**1.** Observational study of gene-disease association, gene-gene interaction, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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