

Rabbit anti-Human, mouse CPN1 Polyclonal Antibody | anti-CPN1 antibody

CPN1 Antibody (N-term)

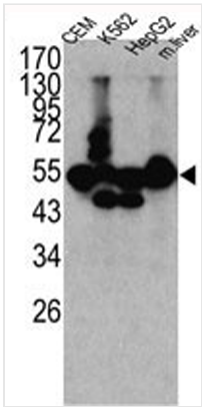
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286033	Rabbit	Human, mouse	ELISA, Western Blot

PRODUCT SYNONYMS

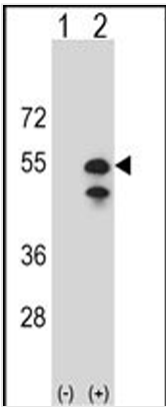
CPN1; Polyclonal Antibody; CPN1 Antibody (N-term); Carboxypeptidase N catalytic chain; CPN; Anaphylatoxin inactivator; Arginine carboxypeptidase; Carboxypeptidase N polypeptide 1; Carboxypeptidase N small subunit; Kininase-1; Lysine carboxypeptidase; Plasma carboxypeptidase B; Serum carboxypeptidase N; SCPN; ACBP; anti-CPN1 antibody

PRODUCT SPECIFICATIONS

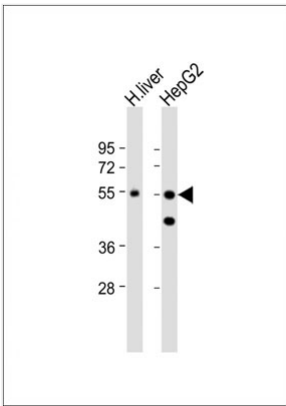
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CPN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-81 amino acids from the N-terminal region of human CPN1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	52-81
Sequence Length	458
Applicable Applications for anti-CPN1 antibody	ELISA, WB (Western Blot)
Function	Protects the body from potent vasoactive and inflammatory peptides containing C-terminal Arg or Lys (such as kinins or anaphylatoxins) which are released into the circulation.
Cellular Location	Secreted, extracellular space.
Tissue Location	Synthesized in the liver and secreted in plasma.
Preparation and 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.



WB (Western Blot)
Western blot analysis of CPN1 antibody (N-term) in K562, CEM, HEpG2 cell line lysates and mouse liver tissue lysates (35ug/lane). CPN1(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of CPN1 (arrow) using rabbit polyclonal CPN1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CPN1 gene.



WB (Western Blot)
All lanes : Anti-CPN1 Antibody (N-term) at 1:1000 dilution Lane 1: human liver lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CPN1 antibody	CPN1 is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The protein is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This protein is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits.
Product Categories/Family for anti-CPN1 antibody	Cell Biology
References	Davis,D.A., Singer,K.E. Blood 105 (12), 4561-4568 (2005) Riley,D.A., Tan,F. Genomics 50 (1), 105-108 (1998) Hendriks,D., Vingron,M. Biol. Chem. Hoppe-Seyler 374 (9), 843-849 (1993)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503011
NCBI GeneID	1369
NCBI Accession #	NP_001299.1
NCBI GenBank Nucleotide #	NM_001308.2

UniProt Accession #	P15169 ; B1AP59
Molecular Weight	52286
NCBI Official Full Name	carboxypeptidase N catalytic chain
NCBI Official Synonym Full Names	carboxypeptidase N, polypeptide 1
NCBI Official Symbol	CPN1
NCBI Official Synonym Symbols	CPN; SCPN
NCBI Protein Information	carboxypeptidase N catalytic chain
UniProt Protein Name	Carboxypeptidase N catalytic chain
UniProt Gene Name	CPN1
UniProt Synonym Gene Names	ACBP; CPN; SCPN
UniProt Entry Name	CBPN_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
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpn1-antibody-western-blot-elisa/286033>