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Product datasheet for AP51053PU-N

CPN1 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/50-1/100. **Immunohistochemistry on Paraffin Sections:** 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 209-240 amino acids from the Central region of Human CPN1.
Specificity:	This antibody recognizes Human CPN1 (Center).
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	carboxypeptidase N subunit 1
Database Link:	Entrez Gene 1369 Human P15169

View online »

Background:

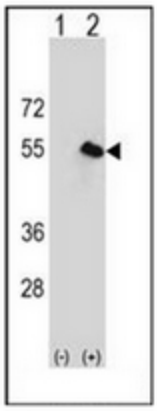
Carboxypeptidase N is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The enzyme is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This enzyme is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits; this gene encodes the catalytic subunit. Mutations in this gene can be associated with angioedema or chronic urticaria resulting from carboxypeptidase N deficiency. [provided by RefSeq].

Synonyms: CPN, CPN1, ACBP, Kininase-1, Serum carboxypeptidase N, Anaphylatoxin inactivator, Plasma carboxypeptidase B, Lysine carboxypeptidase, Arginine carboxypeptidase, SCPN

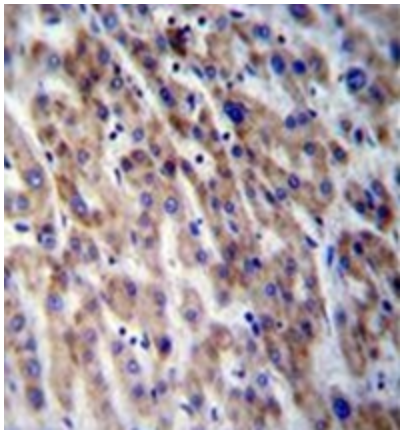
Note: **Molecular Weight:** 52286 Da

Protein Families: Druggable Genome, Protease, Secreted Protein

Product images:



Western blot analysis of CPN1 (arrow) using CPN1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CPN1 gene.



Formalin fixed and paraffin embedded human liver tissue stained with CPN1 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CPN1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.