Datasheet for ABIN951036

anti-CPN1 antibody (Middle Region)

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2 Images

Overview

Quantity:	0.4 mL
Target:	CPN1
Binding Specificity:	AA 209-240, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 209-240 amino acids from the Central region of Human CPN1. Genename: CPN1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human CPN1 (Center).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	CPN1
Alternative Name:	Carboxypeptidase N Catalytic Chain (CPN1 Products)

Target Details

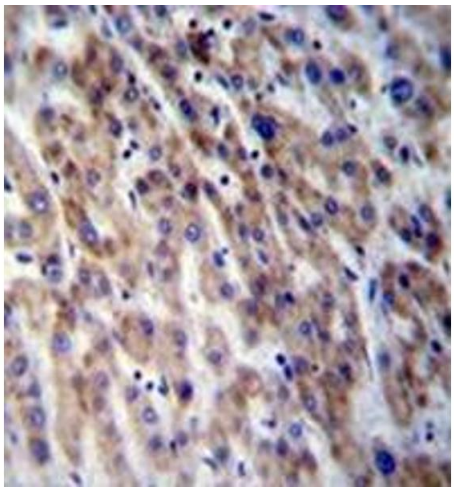
Background:	Carboxypeptidase N is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The enzyme is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This enzyme 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: ACBP, Anaphylatoxin inactivator, Arginine carboxypeptidase, CPN, CPN1, Carboxypeptidase N polypeptide 1, Carboxypeptidase N small subunit, Kininase-1, Lysine carboxypeptidase, Plasma carboxypeptidase B, SCPN, Serum carboxypeptidase N
Molecular Weight:	52286 Da
Gene ID:	1369
NCBI Accession:	NP_001299
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

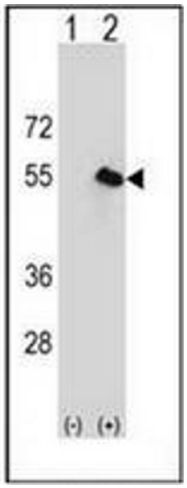
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. Western blot analysis of CPN1 (arrow) using CPN1 Antibody (Center) Cat.-No AP51053PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CPN1 gene.