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anti-CPN1 antibody (N-Term)





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Quantity:	400 μL	
Target:	CPN1	
Binding Specificity:	AA 52-81, N-Term	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CPN1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	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.	
Clone:	RB19020	
Isotype:	Ig Fraction	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	CPN1	
Alternative Name:	CPN1 (CPN1 Products)	

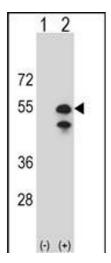
Target Details

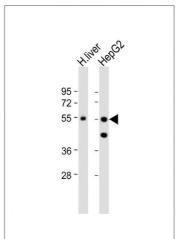
Background:	CPN1 is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The protein is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This protein is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits.
Molecular Weight:	52286
Gene ID:	1369
NCBI Accession:	NP_001299
UniProt:	P15169
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

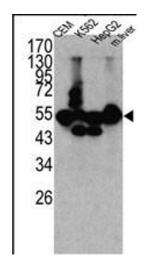
Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only
Handling	

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	







Western Blotting

Image 1. Western blot analysis of CPN1 (arrow) using rabbit polyclonal CPN1 Antibody (N-term) (ABIN391509 and ABIN2841471). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CPN1 gene.

Western Blotting

Image 2. 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 µg 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.

Western Blotting

Image 3. Western blot analysis of CPN1 antibody (N-term) (ABIN391509 and ABIN2841471) in K562, CEM, HEpG2 cell line lysates and mouse liver tissue lysates (35 μ g/lane). CPN1(arrow) was detected using the purified Pab.