

Rabbit anti-Human CPN2 Polyclonal Antibody | anti-CPN2 antibody

CPN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324574	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

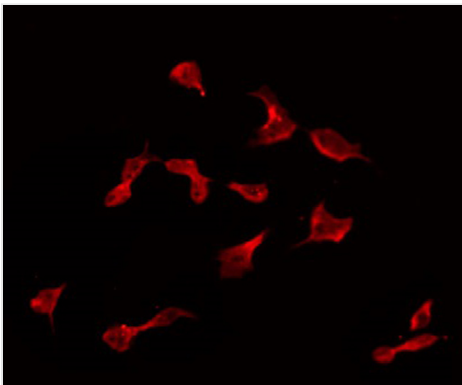
PRODUCT SYNONYMS

CPN2; Polyclonal Antibody; CPN2 Antibody; ACBP; Carboxypeptidase N 83 kDa chain; Carboxypeptidase N large subunit; Carboxypeptidase N polypeptide 2; Carboxypeptidase N regulatory subunit; Carboxypeptidase N subunit 2 [Precursor]; Carboxypeptidase N subunit 2; carboxypeptidase N; polypeptide 2; Carboxypeptidase N; 83kD; CPN 2; CPN2_HUMAN; anti-CPN2 antibody

PRODUCT SPECIFICATIONS

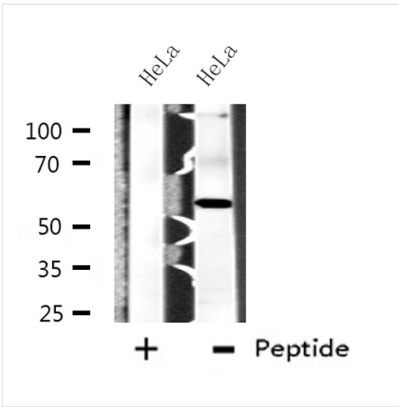
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CPN2 antibody detects endogenous levels of total CPN2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	545
Applicable Applications for anti-CPN2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted.
Predicted Cross Reactivity	Horse
Similarity	Horse (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324574 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using CPN2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CPN2 antibody

Function: 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.
Subunit Structure: Tetramer of two catalytic chains and two glycosylated inactive chains.
Post-translational Modifications: Whether or not any Cys residues participate in intrachain bonds is unknown, but they do not form interchain disulfide bonds with the 50 kDa catalytic subunit.

NCBI AND UNIPROT INFORMATION

NCBI GI #	635172819
NCBI GeneID	1370
NCBI Accession #	NP_001073982.3
NCBI GenBank Nucleotide #	NM_001080513.3
UniProt Accession #	P22792; Q86SU4; Q8N5V4; B2RPE7
Molecular Weight	Observed: 61 kD Predicted: 61 kDa
NCBI Official Full Name	carboxypeptidase N subunit 2
NCBI Official Synonym Full Names	carboxypeptidase N subunit 2
NCBI Official Symbol	CPN2
NCBI Official Synonym Symbols	ACBP
NCBI Protein Information	carboxypeptidase N subunit 2
UniProt Protein Name	Carboxypeptidase N subunit 2
UniProt Gene Name	CPN2
UniProt Synonym Gene Names	ACBP

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.