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Datasheet for ABIN1405366 **anti-CPN2 antibody (Alexa Fluor 488)**

Overview

Quantity:	100 µL
Target:	CPN2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPN2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CPN2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CPN2
Alternative Name:	CPN2 (CPN2 Products)
Background:	Synonyms: CPN 2, CPN2, CPN-2, ACBP, Carboxypeptidase N 83 kDa chain, Carboxypeptidase N large subunit, Carboxypeptidase N regulatory subunit, Carboxypeptidase N subunit 2 [Precursor], carboxypeptidase N, polypeptide 2, CPN2_HUMAN. Background: CPN2 is a zinc metalloprotease, and cleaves carboxy-terminal arginines and

Target Details

lysines from peptides found in the bloodstream such as complement anaphylatoxins, kinins, and creatine kinase MM (CK-MM). By removing only one amino acid, CPN has the ability to change peptide activity and receptor binding. It is a 280 kDa tetrameric glycoprotein that is synthesized by the liver and secreted into the plasma. It consists of 2 identical 83 kDa regulatory subunits (CPN2) and 2 identical 50 kDa catalytic subunits (CPN1). CPN2, 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. CPN is a member of a larger family of carboxypeptidases, many of which also cleave arginine and lysine. Because of the highly conserved active sites and the possible redundant functions of carboxypeptidases, it has been difficult to elucidate the role of CPN in disease processes.

Gene ID: 1370

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months