

Allgemeine Informationen

Katalog-Nr.:

14925-1-AP

Größe:

150ul, Konzentration: 450 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG6684

GenBank-Zugangsnummer:

BC001375

GeneID (NCBI):

55748

Vollständiger Name:

CNDP dipeptidase 2 (metallopeptidase M20 family)

Berechnete Masse:

53 kDa

Beobachtete Masse:

44-53 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:12000

IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB

IHC 1:100-1:400

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Zebrafisch

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HepG2-Zellen, LNCaP-Zellen, Mausnierengewebe

IP: Maushodengewebe,

IHC: humanes Hodengewebe,

IF: PC-3-Zellen,

Hintergrundinformationen

Carnosine dipeptidase II (CNDP2) catalyzes the peptide bond hydrolysis in dipeptides, displaying a non-redundant activity toward threonyl dipeptides. It has high dipeptidase activity toward cysteinyl glycine, an intermediate metabolite in glutathione metabolism (PubMed:19346245, PubMed:12473676). Metabolizes N-lactoyl-amino acids, both through hydrolysis to form lactic acid and amino acids, as well as through their formation by reverse proteolysis (PubMed:25964343). CNDP2 has 2 isoforms with a molecular weight of 53 and 44 kDa. The isoform 1 is ubiquitously expressed with higher levels in the kidney and liver (at protein level) and expressed in peripheral blood leukocytes (PubMed:12473676). It is also expressed in gastric mucosa and down-regulated in gastric cancer mucosal tissues (at the protein level) (PubMed:24395568). Isoform 2 is broadly expressed in fetal tissues and expressed in the adult liver and placenta. (PMID: 17121880).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Joon T Kim	31587987	Cell Chem Biol	WB
Felix Schmöhl	31073745	Cell Mol Life Sci	WB
David C Hondius	33492460	Acta Neuropathol	IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

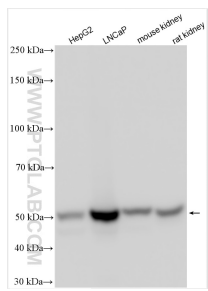
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

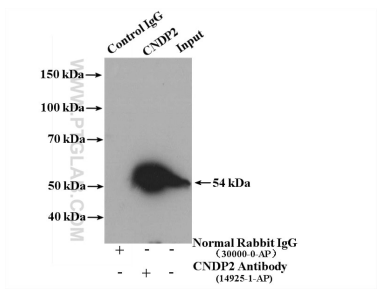
E: proteintech@ptglab.com
 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

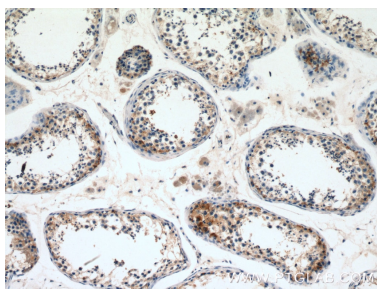
Ausgewählte Validierungsdaten



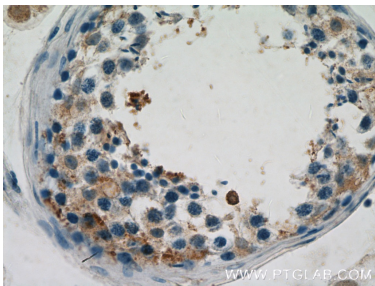
Various lysates were subjected to SDS PAGE followed by western blot with 14925-1-AP (CNDP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



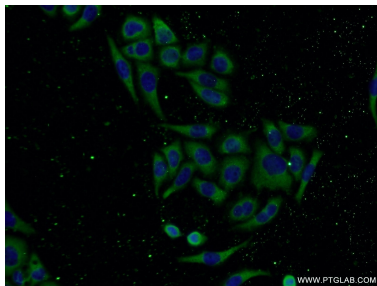
IP result of anti-CNDP2 (IP:14925-1-AP, 4ug; Detection:14925-1-AP 1:1000) with mouse testis tissue lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14925-1-AP (CNDP2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14925-1-AP (CNDP2 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of PC-3 cells using 14925-1-AP (CNDP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).