

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CNDP2



Numéro de catalogue: 14925-1-AP

Phare

8 Publications

Informations de base

Numéro de catalogue:

14925-1-AP

Taille:

150ul, Concentration: 450 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG6684

Numéro d'acquisition GenBank:

BC001375

Identification du gène (NCBI):

55748

Nom complet:

CNDP dipeptidase 2
(metallopeptidase M20 family)

MW calculé

53 kDa

MW observés:

44-53 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:12000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:100-1:400

IF 1:20-1:200

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, poisson-zèbre, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HepG2, cellules LNCaP, tissu rénal de souris

IP : tissu testiculaire de souris,

IHC : tissu testiculaire humain,

IF : cellules PC-3,

Informations générales

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).

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

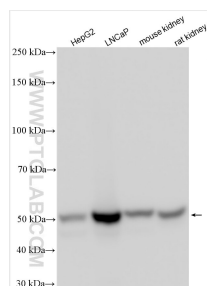
For technical support and original validation data for this product please contact:

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

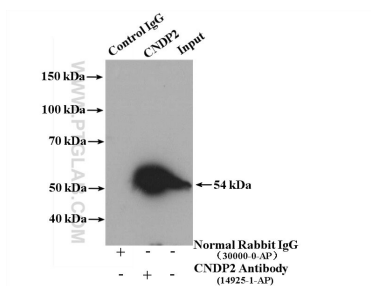
E: proteintech@ptglab.com
W: ptglab.com

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

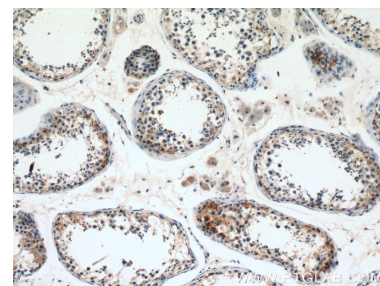
Données de validation sélectionnées



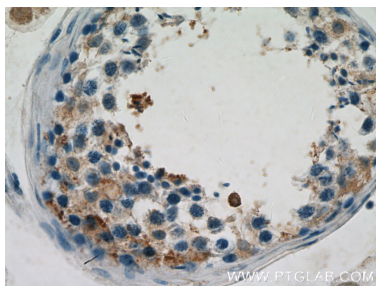
Various lysates were subjected to SDS PAGE followed by western blot with 14925-1-AP (CNDP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



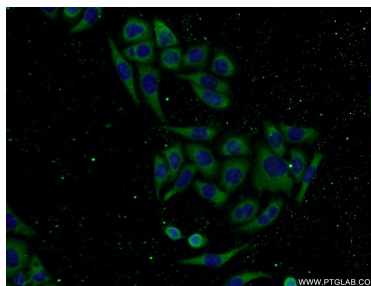
IP result of anti-CNDP2 (IP:14925-1-AP, 4ug; Detection:14925-1-AP 1:1000) with mouse testis tissue lysate 4000 ug.



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).