

For Research Use Only

CNDP1 Polyclonal antibody

Catalog Number: 17759-1-AP

1 Publications



Basic Information

Catalog Number:

17759-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12127

GenBank Accession Number:

BC110295

GeneID (NCBI):

84735

UNIPROT ID:

Q96KN2

Full Name:

carnosine dipeptidase 1
(metallopeptidase M20 family)

Calculated MW:

508 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, A431 cells

IHC : human prostate cancer tissue, mouse brain tissue

IF/ICC : A431 cells,

Background Information

Beta-Ala-His dipeptidase (CNDP1) encodes the secreted serum carnosinase, which is synthesized in the brain and secreted into the systematic circulation, CNDP1 hydrolyzes L-carnosine and is essential for glucose metabolism and the transportation of activated fatty acids across the mitochondrial membrane (PMID: 32111749, 16046297).

Notable Publications

Author	Pubmed ID	Journal	Application
Shiqi Zhang	36319874	Amino Acids	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

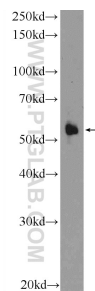
For technical support and original validation data for this product please contact:

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

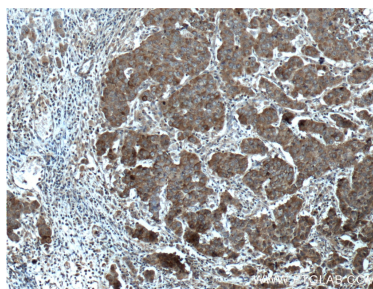
E: proteintech@ptglab.com
W: ptglab.com

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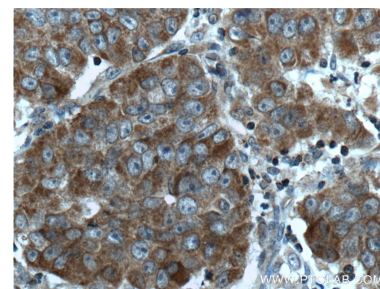
Selected Validation Data



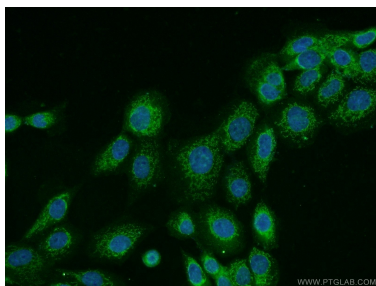
HEK-293 cells were subjected to SDS PAGE followed by western blot with 17759-1-AP (CNDP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 17759-1-AP (CNDP1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 17759-1-AP (CNDP1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of A431 cells using 17759-1-AP (CNDP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).