10320 Camino Santa Fe, Suite G
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CNDP1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20621c

Specification

CNDP1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q96KN2
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

CNDP1 Antibody (Center) - Additional Information

Gene ID 84735

Other Names
Beta-Ala-His dipeptidase, CNDP dipeptidase 1, Carnosine dipeptidase 1, Glutamate carboxypeptidase-like protein 2, Serum carnosinase, CNDP1, CN1, CPGL2

Target/Specificity
This CNDP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 128-142 amino acids from the Central region of human CNDP1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CNDP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CNDP1 Antibody (Center) - Protein Information

Name CNDP1 (HGNC:20675)

Synonyms CN1, CPGL2

Function Catalyzes the peptide bond hydrolysis in Xaa-His dipeptides, displaying the highest activity toward carnosine (beta-alanyl-L- histidine) and anserine (beta-alanyl-3-methyl-histidine).

Cellular Location
Secreted.

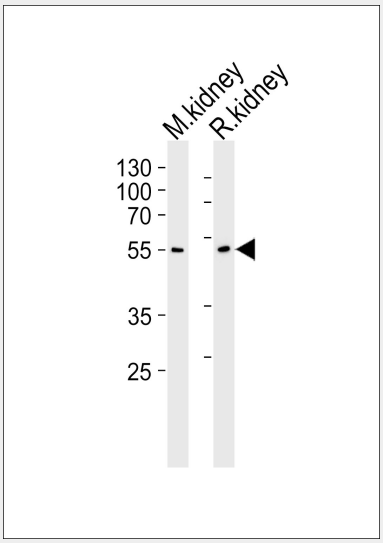
Tissue Location
Found in serum and adult nervous central system. Absent in serum from patients with homocarnosinosis

CNDP1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CNDP1 Antibody (Center) - Images



Western blot analysis of lysates from mouse kidney and rat kidney tissue lysate(from left to right), using CNDP1 Antibody (Center)(RB43679). RB43679 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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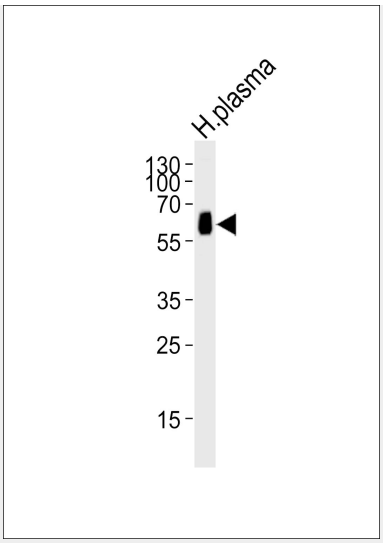
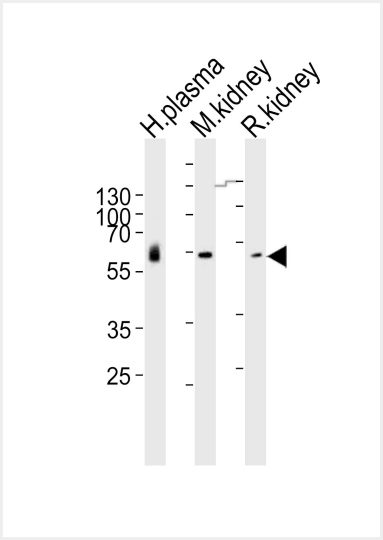


Western blot analysis of lysate from human plasma tissue lysate, using CNDP1 Antibody (Center)(Cat. #AP20621c). AP20621c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Western blot analysis of lysates from human plasma, mouse kidney, rat kidney tissue lysate (from left to right), using CNDP1 Antibody (Center)(Cat. #AP20621c). AP20621c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

CNDP1 Antibody (Center) - References

Chen J.M.,et al.Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
Janssen B.,et al.Diabetes 54:2320-2327(2005).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Nusbaum C.,et al.Nature 437:551-555(2005).
Lenney J.F.,et al.Clin. Chim. Acta 123:221-231(1982).