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# Product datasheet for AP50983PU-N

## CNDP1 (C-term) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | FC, IHC, WB |
| **Recommended Dilution:** | **ELISA**: 1/1000.<br>**Western blot:** 1/100 - 1/500.<br>**Immunohistochemistry on paraffin sections:** 1/50 - 1/100.<br>**Flow cytometry:** 1/10 - 1/50. |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | Ig |
| **Clonality:** | Polyclonal |
| **Immunogen:** | KLH conjugated synthetic peptide between 422~451 amino acids from the C-terminal region of human CNDP1 |
| **Specificity:** | This antibody reacts to CNDP1. |
| **Formulation:** | PBS<br>State: Aff - Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0.09% (W/V) sodium azide |
| **Concentration:** | lot specific |
| **Purification:** | Affinity chromatography on Protein A |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 56692 Da |
| **Gene Name:** | carnosine dipeptidase 1 |
| **Database Link:** | Entrez Gene 84735 Human<br>Q96KN2 |

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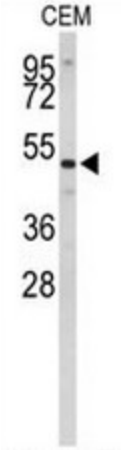
**Background:** CNDP1 encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This protein contains trinucleotide (CTG) repeat length polymorphism in the coding region.

**Synonyms:** Beta-Ala-His dipeptidase, Carnosine dipeptidase 1, CNDP dipeptidase 1, Serum carnosinase, CN1, CPGL2

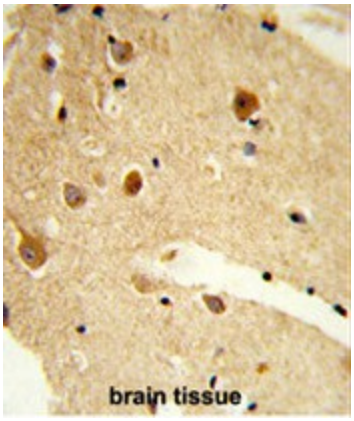
**Protein Families:** Protease, Secreted Protein

**Protein Pathways:** beta-Alanine metabolism, Histidine metabolism, Metabolic pathways

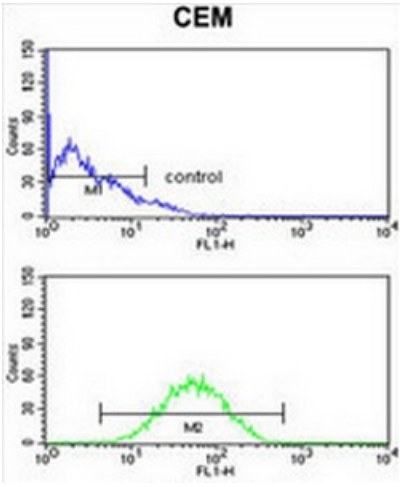
## Product images:




Western blot analysis of CNDP1 Antibody (C-term) in CEM cell line lysates (35ug/lane). CNDP1 (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human brain tissue reacted with CNDP1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.




CNDP1 Antibody (C-term) flow cytometry analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.