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# **Recombinant CNDP2 Monoclonal Antibody**

catalog number: AN300497P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Mouse

Immunogen Recombinant Mouse CNDP2 protein

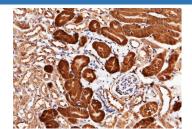
HostRabbitIsotypeIgGClone7C14PurificationProtein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

**IHC-P** 1:100-1:500

#### Data



Immunohistochemistry of paraffin-embedded mouse kidney using CNDP2 Monoclonal Antibody at dilution of 1:200.

Positive staining was localized to nephric tubule.

## **Preparation & Storage**

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

Cytosolic non-specific dipeptidase, also known as CNDP dipeptidase 2, Glutamate carboxypeptidase-like protein 1, Peptidase A, CNDP2 and CN2, is a cytoplasm protein which belongs to thepeptidase M2A family. CNDP2/CPGL is a cytosolic enzyme that can hydrolyze carnosine to yield I-histidine and beta-alanine. CNDP2/CPGL hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. Itmay be play a role as tumor suppressor in hepatocellular carcinoma (HCC) cells. Isoform1 of CNDP2/CPGL is ubiquitously expressed with higher levels in kidney and liver (at protein level). Isoform2 of CNDP2/CPGL is expressed in fetal tissues, it is only expressed in adult liver and placental tissues. CNDP2/CPGL is highly expressed in the histaminergic neurons in the tuberomammillary nucleus, implying that it may supply histidine to histaminergic neurons for histamine synthesis.

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