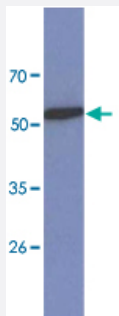


# CNDP2 monoclonal antibody, clone AT15E5

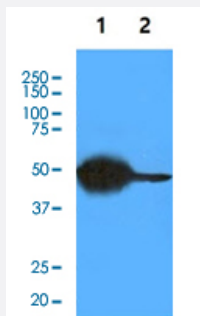
Catalog # MAB11202      Size 100 uL

## Applications



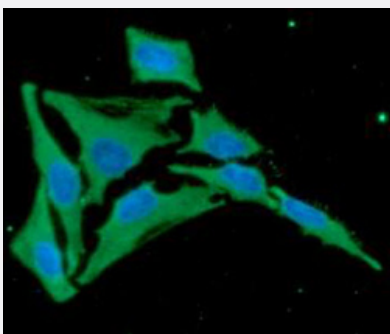
### Western Blot (Tissue lysate)

Western blot analysis of mouse kidney extract (40 ug) by using CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



### Western Blot

Western blot analysis of lysates (each 40 ug) by CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Mouse liver tissue lysate. Lane 2: HepG2 cell lysate.



### Immunofluorescence

Immunofluorescence analysis of CNDP2/CPGL in HeLa cells. The cell was stained with CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

### Product Description

Mouse monoclonal antibody raised against partial recombinant CNDP2.

### Immunogen

Recombinant protein corresponding to amino acids 1-475 of human CNDP2.

Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
Isotype	IgG1, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse kidney extract (40 ug) by using CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

- Western Blot

Western blot analysis of lysates (each 40 ug) by CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Mouse liver tissue lysate. Lane 2: HepG2 cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of CNDP2/CPGL in HeLa cells. The cell was stained with CNDP2 monoclonal antibody, clone AT15E5 (Cat # MAB11202) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CNDP2

Entrez GeneID	<a href="#">55748</a>
Protein Accession#	<a href="#">NP_060705</a>
Gene Name	CNDP2
Gene Alias	CN2, CPGL, FLJ10830, HsT2298, PEPA
Gene Description	CNDP dipeptidase 2 (metallopeptidase M20 family)
Omim ID	<a href="#">169800</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	CNDP2, also known as tissue carnosinase and peptidase A (EC 3.4.13.18), is a nonspecific dipeptidase rather than a selective carnosinase (Teufel et al., 2003 [PubMed 12473676]).[supplied by OMIM]
Other Designations	CNDP dipeptidase 2 cytosolic nonspecific dipeptidase peptidase A

## Publication Reference

- [Carnosine's inhibitory effect on glioblastoma cell growth is independent of its cleavage.](#)

Oppermann H, Purcz K, Birkemeyer C, Baran-Schmidt R, Meixensberger J, Gaunitz F.

Amino Acids 2019 May; 51(5):761.

Application: WB, Human, Human glioblastoma cells

## Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)