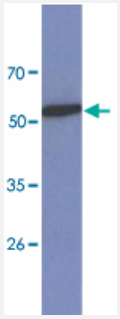
CNDP2 monoclonal antibody, clone AT15E5

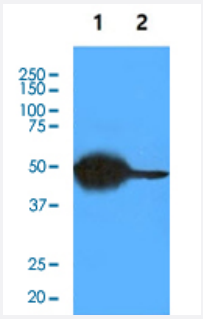
Catalog # MAB11202 Size 100 uL

Applications



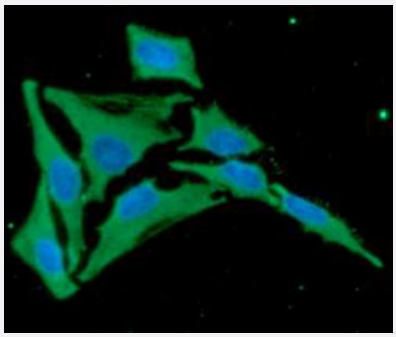
Western Blot (Tissue lysate)

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 shoul d be handled by trained staff only.

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- Western Blot (Tissue lysate)

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- Immunocytochemistry

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CNDP2

Entrez GeneID	55748
Protein Accession#	NP_060705
Gene Name	CNDP2
Gene Alias	CN2, CPGL, FLJ10830, HsT2298, PEPA
Gene Description	CNDP dipeptidase 2 (metallopeptidase M20 family)
Omim ID	169800
Gene Ontology	Hyperlink
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