

Mouse anti-Human CNDP2 Monoclonal Antibody | anti-CNDP2 antibody

CNDP2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48113	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

CNDP2; Monoclonal Antibody; CNDP2 antibody; Cytosolic non-specific dipeptidase; CN2; CPGL; HsT2298; PEPA; anti-CNDP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT15E5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	475
Applicable Applications for anti-CNDP2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CNDP2 (1-475aa) purified from E. coli
Clone Note	Anti-human CNDP2 mAb, clone AT15E5, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CNDP2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CNDP2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CNDP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The extract of Mouse kidney (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CNDP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The extract of cell and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CNDP2 antibody (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

ADDITIONAL INFORMATION

Related Product Information for anti-CNDP2 antibody	CNDP2, known as tissue carnosinase and peptidase A, is a nonspecific dipeptidase rather than a selective carnosinase and is a secreted peptidase homologous to M20 peptidases. Also known as glutamate carboxypeptidase-like protein 1 (CPGL), CNDP2 is ubiquitously expressed throughout human tissue. CNDP2 Hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly and may be play a role as tumor suppressor in hepatocellular carcinoma (HCC) cells.
Product Categories/Family for anti-CNDP2 antibody	Metabolism
References	Zhang, P., et al. (2006) Cancer res 12: 6617-6625; Kaur, H., et al. (2009) J.Biol.Chem 284: 14493-14502; Licker, V., et al. (2012) J proteomics 3;75 (15): 4656-67

NCBI AND UNIPROT INFORMATION

NCBI GI #	271398239
NCBI GeneID	55748
NCBI Accession #	NP_060705
NCBI GenBank Nucleotide #	NM_018235.2
UniProt Accession #	Q96KP4; Q8WY59; Q9BQ94; Q9NVB4; B3KUG4; V9HWE5
Molecular Weight	43,833 Da
NCBI Official Full Name	cytosolic non-specific dipeptidase isoform 1
NCBI Official Synonym Full Names	carnosine dipeptidase 2
NCBI Official Symbol	CNDP2
NCBI Official Synonym Symbols	CN2; CPGL; PEPA; HsT2298; HEL-S-13
NCBI Protein Information	cytosolic non-specific dipeptidase
UniProt Protein Name	Cytosolic non-specific dipeptidase
UniProt Gene Name	CNDP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cndp2-antibody-clone-at15e5-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48113>