

Rabbit anti-Mouse CNDP2 Polyclonal Antibody | anti-CNDP2 antibody

Anti-CNDP2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259128	Rabbit	Mouse	Immunohistochemistry, Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

CNDP2; Polyclonal Antibody; Anti-CNDP2 Antibody; Rabbit Polyclonal; CNDP dipeptidase 2 (metallopeptidase M20 family); Anti-0610010E05Rik Antibody; Anti-C76600 Antibody; Anti-Cn2 Antibody; Anti-Dip-2 Antibody; Anti-Pep-1 Antibody; Anti-Pep1 Antibody; anti-CNDP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CNDP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CNDP2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse CNDP2 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse CNDP2 (rM CNDP2). CNDP2 specific IgG was purified by Mouse CNDP2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

mCNDP2 was immunoprecipitated using: Lane A: 0.5 mg RAW246.7 Whole Cell Lysate 4 uL anti-mCNDP2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-mCNDP2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 52 kDa. Observed band size: 52 kDa.



IHC (Immunohistochemistry)

Immunohistochemical staining of human CNDP2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-CNDP2 rabbit polyclonal antibody at 1:500 dilution Lane A: RAW246.7 Whole Cell Lysate Lane B: NIH-3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 73 kDa Observed band size: 73 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CNDP2 antibody	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 the peptidase M2A family. CNDP2/CPGL is a cytosolic enzyme that can hydrolyze carnosine to yield L-histidine and beta-alanine. CNDP2/CPGL hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. It may 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.
References	Bakker, S.J. et al., 2008, Diabetes 57 (12):e16; author reply e17. Wanic, K. et al., 2008, Diabetes 57 (9): 2547-51. McDonough, C.W. et al., 2009, Hum Genet 126 (2): 265-75. Kaur, H. et al., 2009, J Biol Chem. 284 (21):14493-502.

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/polyclonal/cndp2-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/259128>