

Datasheet for ABIN7112896 **anti-CNDP2 antibody**



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Overview

Quantity:	100 µg
Target:	CNDP2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNDP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	CNDP dipeptidase 2(metallopeptidase M20 family)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CNDP2
Alternative Name:	CNDP2 (CNDP2 Products)
Background:	Synonyms:CN2, CPGL, HEL-S-13, PEPA Background:Hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly(PubMed:19346245). Acts as a functional tumor suppressor in gastric cancer via activation of the mitogen-activated protein kinase(MAPK) pathway. An elevated level of CNDP2 activates the p38 and JNK MAPK

Target Details

pathways to induce cell apoptosis, and a lower level of CNBP2 activates the ERK MAPK pathway to promote cell proliferation(PubMed:24395568). Isoform 2 may play a role as tumor suppressor in hepatocellular carcinoma(HCC) cells(PubMed:17121880). Catalyzes the production of N-lactoyl-amino acids from lactate and amino acids by reverse proteolysis(PubMed:25964343).

Molecular Weight: 54 kDa

Gene ID: 55748

UniProt: [Q96KP4](#)

Application Details

Application Notes: WB: 1:500-1:2000, IF: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months