

CNDP2 Polyklonaler Antikörper

Katalog-Nr.: 30025-1-AP

Allgemeine Informationen

Katalog-Nr.: 30025-1-AP	GenBank-Zugangsnummer: BC001375	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 55748	Empfohlene Verdünnungen: WB 1:2000-1:10000
Wirt: Kaninchen	Vollständiger Name: CNDP dipeptidase 2 (metallopeptidase M20 family)	
Isotyp: IgG	Berechnete Masse: 53 kDa	
Immunogen Katalognummer: AG32312	Beobachtete Masse: 44-53 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : HEK-293T-Zellen, HL-60-Zellen, Jurkat-Zellen, PC-3-Zellen, U-251-Zellen, U-937-Zellen
Getestete Reaktivität: Human	

Hintergrundinformationen

Carnosine dipeptidase II (CNDP2) catalyzes the peptide bond hydrolysis in dipeptides, displaying a non-redundant activity toward threonyl dipeptides. It has high dipeptidase activity toward cysteinyl glycine, an intermediate metabolite in glutathione metabolism (PubMed:19346245, PubMed:12473676). Metabolizes N-lactoyl-amino acids, both through hydrolysis to form lactic acid and amino acids, as well as through their formation by reverse proteolysis (PubMed:25964343). CNDP2 has 2 isoforms with a molecular weight of 53 and 44 kDa. The isoform 1 is ubiquitously expressed with higher levels in the kidney and liver (at protein level) and expressed in peripheral blood leukocytes (PubMed:12473676). It is also expressed in gastric mucosa and down-regulated in gastric cancer mucosal tissues (at the protein level) (PubMed:24395568). Isoform 2 is broadly expressed in fetal tissues and expressed in the adult liver and placenta. (PMID: 17121880).

Lagerung

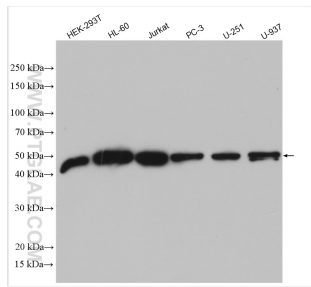
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 30025-1-AP (CNDP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.