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CNDP1 Rabbit pAb

Catalog # AP99098

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q96KN2
Other Accession	Q96KN2
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56692
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CNDP1
Epitope Specificity	301-400/507
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase M20A family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CNDP1 (Carnosine dipeptidase 1) belongs to the M20 metalloprotease family and is expressed in the adult nervous central system. It catalyzes preferential hydrolysis of the beta-Ala-|-His dipeptide (carnosine), and also anserine, Xaa-|-His dipeptides and other dipeptides including homocarnosine.

Additional Information

Gene ID	84735
Other Names	CN1; CPGL2; HsT2308; CNDP1_HUMAN; CNDP1; CNDP dipeptidase 1; Carnosine dipeptidase 1; Glutamate carboxypeptidase-like protein 2; Serum carnosinase; 3.4.13.20; carnosine dipeptidase 1 (metallopeptidase M20 family); carnosinase 1; beta-Ala-His dipeptidase
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CNDP1 (HGNC:20675)

Function	Catalyzes the peptide bond hydrolysis in Xaa-His dipeptides, displaying the highest activity toward carnosine (beta-alanyl-L- histidine).
Cellular Location	Secreted
Tissue Location	Found in serum and adult nervous central system. Absent in serum from patients with homocarnosinosis

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.