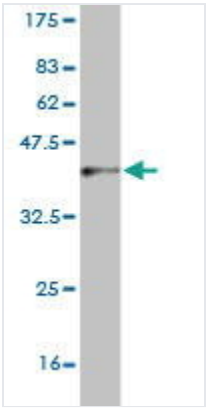
CNDP2 Antibody – Mouse Monoclonal

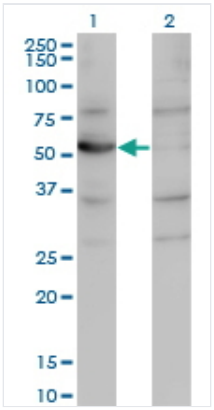
PRODUCT OVERVIEW

Product Name	CNDP2, Monoclonal Antibody
Full Product Name	CNDP2 (CN2, CPGL, PEPA, Cytosolic Non-specific Dipeptidase, CNDP Dipeptidase 2, Glutamate Carboxypeptidase-like Protein 1, Peptidase A, FLJ1 HsT2298) (FITC)
Product Gene Name	anti-CNDP2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1B1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CNDP2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be r assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to rer the cap.
Molecular Weight	43,833 Da
OMIM	169800
3D Structure	ModBase 3D Structure for Q96KP4
Immunogen	Partial recombinant corresponding to aa191-301 from human CNDP2 (NP_060705) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VCISDNYWLGKKKPCITYGLRGICYFFIEVECSNKDLHSGVYGGSVHEAMTDLILLMGSLVDKRGNILIPGINEAVAAVTEEEHKLYDDIDFDIEEFAKDVGAC
Conjugate	FITC
Product Categories/Family for anti-CNDP2 antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-CNDP2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CNDP2 antibody	Applications are based on unconjugated antibody.

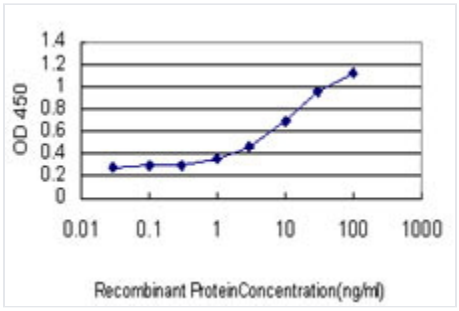
Related Product Information for anti-CNDP2 antibody	CNDP2, also known as tissue carnosinase and peptidase A (EC 3.4.13.18), is a nonspecific dipeptidase rather than a selective carnosinase (Teufel et a [PubMed 12473676]).
Other Notes	Small volumes of anti-CNDP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add dry ice fee may apply.
Searchable Terms for CNDP2 purchase	MBS6146568 is an antibody targeting CNDP2. Also known as CNDP2 (CN2, CPGL, PEPA, Cytosolic Non-specific Dipeptidase, CNDP Dipeptidase 2, Glutamate Carboxypeptidase-like Protein 1, Peptidase A, FLJ10830, HsT2298) (FITC). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-CNDP2 antibody
Western Blot detection against Immunogen (38.21kD).



Western Blot (WB) of anti-CNDP2 antibody
Western Blot analysis of CNDP2 expression in transfected 293T cell line by CNDP2 monoclonal antibody. Lane 1: CNDP2 transfected lysate (52.9kD). Lane 2: Non-transfected lysate.



Testing Data of anti-CNDP2 antibody
Detection limit for recombinant GST tagged CNDP2 is ~0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNDP2. It may not necessarily be applicable to this product.

NCBI GI #	271398239
NCBI GeneID	55748
NCBI Accession #	NP_060705
UniProt Primary Accession #	Q96KP4
UniProt Secondary Accession #	Q8WY59; Q9BQ94; Q9NVB4; B3KUG4; V9HWE5
UniProt Related Accession #	Q96KP4
GenBank Nucleotide #	NM_018235
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
UniProt Protein Name	Cytosolic non-specific dipeptidase
UniProt Synonym Protein Names	CNDP dipeptidase 2; Glutamate carboxypeptidase-like protein 1; Peptidase A
Protein Family	Cytosolic non-specific dipeptidase
UniProt Gene Name	CNDP2
UniProt Synonym Gene Names	CN2; CPGL; PEPA
UniProt Entry Name	CNDP2_HUMAN
NCBI Protein Information	cytosolic non-specific dipeptidase
Research Articles on CNDP2	**1.** These results suggest that the zinc form of CN2 is an active enzyme, but with a different substrate specificity from that of the manganese form.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/cndp2/6146568