

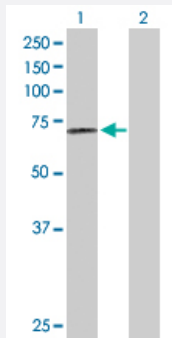
MaxPab®

PRCP purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005547-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PRCP expression in transfected 293T cell line ([H00005547-T02](#)) by PRCP MaxPab polyclonal antibody.

Lane 1: PRCP transfected lysate(55.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PRCP protein.
Immunogen	PRCP (NP_005031.1, 1 a.a. ~ 496 a.a) full-length human protein.
Sequence	MGRRALLLLLLSFLAPWATIALRPALRALGSLHLPTNPTSLPAVAKNYSVLYFQQKVDHFGFNTVK TFNQRYLVADKYWKKNNGGSILFYTGNEGDIWFNNTGFMWDVAEELKAMLVFAEHRYYGESLPF GDNSFKDSRHLNFLTSEQALADFAELIKHLKRTIPGAENQPVIAIGGSYGGMLAAWFRMKYPHMVV GALAASAPIWQFEDLVPCGVFMKIVTTDFRKSGPHCSESIHRSWDAINRLSNTGSLQWLTGALH LCSP LTSQDIQHLKDWISETWVNLAMVDYPYASNFLQPLPAWPIKVVCQYLKNPNVSDSLLLQNI QALNVYNYSGQVKCLNISETATSSLGTLGWSYQACTEVVMPFCTNGVDDMFEPHSWNLKELSD DCFQQWGVPRPSWITMYGGKNISHTNIVFSNGELDPWSGGGVTKDITDLVAVTISEGAHHL LRTKNALDPMSVLLARSLEVRHMKNWIRDFYDSAGKQH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (79)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — PRCP

Entrez GeneID
[5547](#)
GeneBank Accession#
[NM_005040](#)
Protein Accession#
[NP_005031.1](#)
Gene Name

PRCP

Gene Alias

HUMPCP, MGC2202, PCP

Gene Description

prolylcarboxypeptidase (angiotensinase C)

Omim ID
[176785](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

The protein encoded by this gene is a lysosomal prolylcarboxypeptidase, which cleaves C-terminal amino acids linked to proline in peptides such as angiotension II, III and des-Arg9-bradykinin. The cleavage occurs at acidic pH, but the enzyme activity is retained with some substrates at neutral pH. This enzyme has been shown to be an activator of the cell matrix-associated prekallikrein. The importance of angiotension II, one of the substrates of this enzyme, in regulating blood pressure and electrolyte balance suggests that this gene may be related to essential hypertension. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations

angiotensinase C|lysosomal Pro-x carboxypeptidase|lysosomal carboxypeptidase C|proline carboxypeptidase|prolylcarboxypeptidase|prolylcarboxypeptidase isoform 1 preproprotein

Disease

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