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CPD Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6725b

Specification

CPD Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O75976

CPD Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1362

Other Names
Carboxypeptidase D, Metallocarboxypeptidase D, gp180, CPD

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6725b was selected from the C-term region of human CPD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CPD Antibody (C-term) Blocking Peptide - Protein Information

Name CPD

Cellular Location

CPD Antibody (C-term) Blocking Peptide - Background

The metallocarboxypeptidase family of enzymes is divided into 2 subfamilies based on sequence similarities. The pancreatic carboxypeptidase-like and the regulatory B-type carboxypeptidase subfamilies. Carboxypeptidase D has been identified as a regulatory B-type carboxypeptidase. CPD is a homolog of duck gp180, a hepatitis B virus-binding protein.

CPD Antibody (C-term) Blocking Peptide - References

Hoff,N.P., J. Clin. Immunol. 27 (6), 568-579 (2007)O'Malley,P.G., Biochem. J. 390 (PT 3), 665-673 (2005)

Cell membrane
{ECO:0000250|UniProtKB:Q90240};
Single-pass type I membrane protein

Tissue Location
Highly expressed in placenta, pancreas and hepatoma cells. Lower levels found in skeletal muscle, heart and colon carcinoma and melanoma cell lines

CPD Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides