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CPO Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14095a

Product Information

Application	WB, E
Primary Accession	Q8IVL8
Other Accession	NP_775100.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18870
Calculated MW	42529
Antigen Region	46-75

Additional Information

Gene ID	130749
Other Names	Carboxypeptidase O, CPO, 3417-, CPO
Target/Specificity	This CPO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the N-terminal region of human CPO.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CPO Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CPO (HGNC:21011)
Function	Carboxypeptidase which preferentially cleaves C-terminal acidic residues from peptides and proteins. Can also cleave C-terminal hydrophobic amino acids, with a preference for small residues over large residues.

Cellular Location	Apical cell membrane; Lipid-anchor, GPI-anchor
Tissue Location	Detected in enterocytes of the ileum.

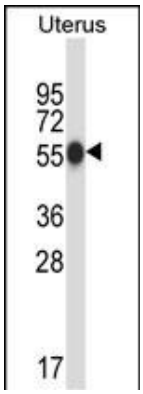
Background

Probable carboxypeptidase which may cleave proteins with C-terminal acidic residues (By similarity).

References

Hillier, L.W., et al. Nature 434(7034):724-731(2005) Wei, S., et al. J. Biol. Chem. 277(17):14954-14964(2002)

Images



CPO Antibody (N-term) (Cat. #AP14095a) western blot analysis in human normal Uterus tissue lysates (35ug/lane).This demonstrates the CPO antibody detected the CPO protein (arrow).

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