10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-Carboxypeptidase O Antibody

Catalog # AP61328

## Product Information

| | |
|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | Q8IVL8 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 42529 |

## Additional Information

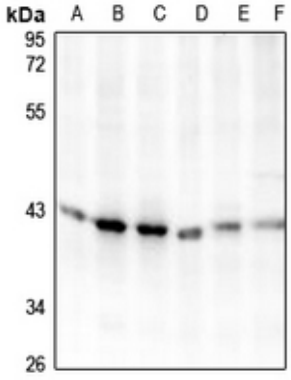
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|---|---|
| **Gene ID** | 130749 |
| **Other Names** | Carboxypeptidase O; CPO |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Carboxypeptidase O. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

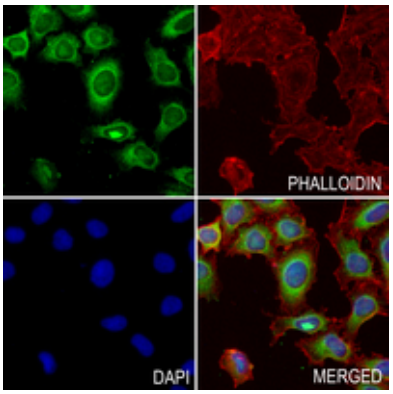
| | |
|---|---|
| **Name** | CPO ( HGNC:21011) |
| **Function** | Carboxypeptidase which preferentially cleaves C-terminal acidic residues from peptides and proteins. Can also cleave C-terminal hydrophobic amino acids, with a preference for small residues over large residues. |
| **Cellular Location** | Apical cell membrane; Lipid-anchor, GPI-anchor |
| **Tissue Location** | Detected in enterocytes of the ileum. |

## Images

Western blot analysis of Carboxypeptidase O expression in H1792 (A), MCF7 (B), U87MG (C), CT26 (D), C6 (E), DLD (F) whole cell lysates. (Predicted band size: 42 kD;




Observed band size: 42 kD)




Immunofluorescent analysis of Carboxypeptidase O staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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