

Rabbit anti-Human CPO Polyclonal Antibody | anti-CPO antibody

Anti-CPO Antibody Picoband

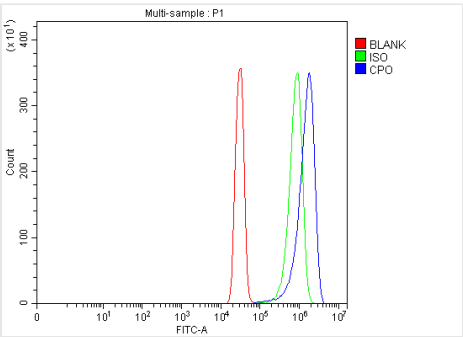
CATALOG # AAA126328	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

CPO; Polyclonal Antibody; Anti-CPO Antibody Picoband; anti-CPO antibody

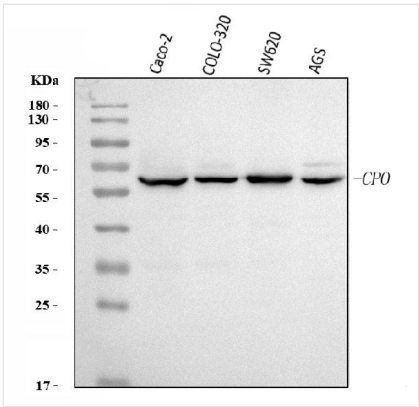
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CPO antibody	ELISA, WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CPO recombinant protein (Position: D34-V280).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SiHa cells using anti-CPO antibody (AAA126328).Overlay histogram showing SiHa cells stained with AAA126328 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CPO Antibody (AAA126328, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of CPO using anti-CPO antibody (AAA126328).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Caco-2 whole cell lysates,Lane 2: human COLO-320 whole cell lysates,Lane 3: human SW620 whole cell lysates,Lane 4: human AGS whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CPO antigen affinity purified polyclonal antibody (#AAA126328) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CPO at approximately 57 kDa. The expected band size for CPO is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CPO antibody	This gene is a member of the metallocarboxypeptidase gene family.
Product Categories/Family for anti-CPO antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119590805
NCBI GeneID	130749
UniProt Accession #	Q8IVL8; Q2M277; Q7RTW7
Molecular Weight	42,529 Da
NCBI Official Full Name	carboxypeptidase O
NCBI Official Synonym Full Names	carboxypeptidase O
NCBI Official Symbol	CPO
NCBI Protein Information	carboxypeptidase O; metallocarboxypeptidase C; metallocarboxypeptidase O
UniProt Protein Name	Carboxypeptidase O
UniProt Gene Name	CPO
UniProt Synonym Gene Names	CPO
UniProt Entry Name	CBPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cpo-antibody-western-blot-elisa/126328>