

## COP $\zeta$ 1 (I48) polyclonal antibody

Catalog: BS3287

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Membrane and vesicular trafficking in the early secretory pathway are mediated by non-Clathrin COP (coat protein) I-coated vesicles. COPI-coated vesicles mediate retrograde transport from the Golgi back to the ER and intra-Golgi transport. The cytosolic precursor of the COPI coat, the heptameric coatomer complex, is composed of two subcomplexes. The first consists of the COPB, COPG, COPD and COPZ1 subunits (also known as  $\beta$ -COP,  $\gamma$ -COP,  $\delta$ -COP and  $\zeta$ -1 COP, respectively), which are distantly homologous to AP Clathrin adaptor subunits. The second consists of the COPA, COPP and COPE subunits (also known as  $\alpha$ -COP, COPP and  $\epsilon$ -COP, respectively).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 20 kDa

### Swiss-Prot:

P61923

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

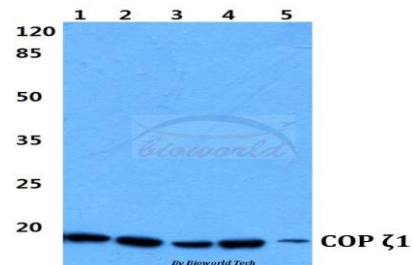
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

COP  $\zeta$ 1 (I48) polyclonal antibody detects endogenous levels of COP  $\zeta$ 1 protein.

### DATA:



Western blot (WB) analysis of COP  $\zeta$ 1 (I48) polyclonal antibody at 1:500 dilution

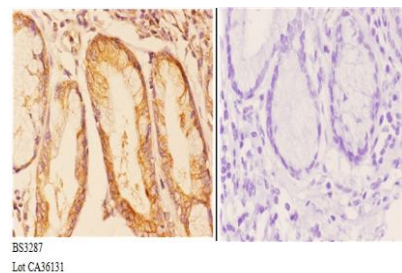
Lane1:Hela cell lysate

Lane2:HEK293T cell lysate

Lane3:sp2/0 cell lysate

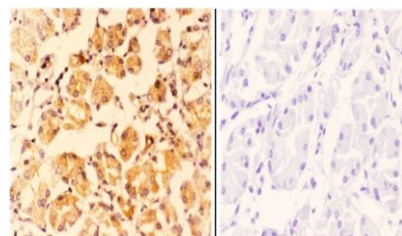
Lane4:H9C2 cell lysate

Lane5:PC12 cell lysate



BS3287  
Lot CA36131

Immunohistochemistry (IHC) analyzes of COP  $\zeta$ 1 (I48) pAb in paraffin-embedded human esophageal carcinoma tissue at 1:50. showing Nucleus speckle and Cytoplasm staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of COP  $\zeta$ 1 (I48) pAb in paraffin-embedded human stomach carcinoma tissue at 1:50. showing Nucleus speckle and Cytoplasm staining. Negative control (the right) Using

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

**Note:**

For research use only, not for use in diagnostic procedure.

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