

**CBWD2 polyclonal antibody**

Catalog: BS35439

Host: Rabbit

Reactivity: Human

BackGround:

Zinc-regulated GTPase metalloprotein activator 1B: Zinc chaperone that directly transfers zinc cofactor to target metalloproteins, thereby activating them. Catalyzes zinc insertion into the active site of methionine aminopeptidase METAP1, which function to cleave the initiator methionine from polypeptides during or after protein translation. Mechanistically, the N-terminal psi-PxLVp motif binds to the C6H2-type zinc finger of inactive form of METAP1. After formation of the docked complex, zinc is transferred from the CXCC motif in the GTPase domain of ZNG1B to the zinc binding site in the peptidase domain of METAP1 in a process requiring GTP hydrolysis. GTP/GDP exchange is required for release of active METAP1

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~44.0 kDa

Swiss-Prot:

Q8IUF1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CBWD2 protein

DATA:

Western blot analysis of IgG4 expression in HEK293T (A), K562 (B), HCT116 (C) whole cell lysates.

Immunohistochemical analysis of IgG4 staining in human stomach carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of IgG4 staining in COS7 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 humidified chamber. Cells were washed with PBST and incubated with an 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).

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151