CBWD6 polyclonal antibody

Catalog: BS32213 Host: Rabbit Reactivity: Human

BackGround:

Zinc-regulated GTPase metalloprotein activator 1F: Zinc chaperone that directly transfers zinc cofactor to target metalloproteins, thereby activating them (By similarity). 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 (By similarity). After formation of the docked complex, zinc is transferred from the CXCC motif in the GTPase domain of ZNG1F to the zinc binding site in the peptidase domain of METAP1 in a process requiring GTP hydrolysis (By similarity). GTP/GDP exchange is required for release of active METAP1 (By similarity)

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:

Q4V339

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

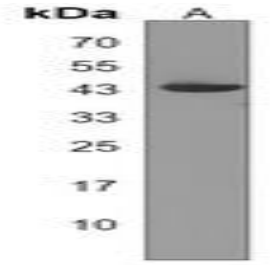
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of CBWD6 protein.

DATA:



Western blot analysis of IRE1 expression in HEK293T (A), mouse liver (B), rat liver (C) whole cell lysates.

Immunohistochemical analysis of IRE1 staining in mouse kidney 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 IRE1 staining in PC12 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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