



PRODUCT DATA SHEET

Bioworld Technology, Inc.

GSPT2 polyclonal antibody

Catalog: BS32529

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Eukaryotic peptide chain release factor GTP-binding subunit ERF3B: GTPase component of the eRF1-eRF3-GTP ternary complex, a ternary complex that mediates translation termination in response to the termination codons UAA, UAG and UGA. GSPT2/ERF3B mediates ETF1/ERF1 delivery to stop codons: The eRF1-eRF3-GTP complex binds to a stop codon in the ribosomal A-site. GTP hydrolysis by GSPT2/ERF3B induces a conformational change that leads to its dissociation, permitting ETF1/ERF1 to accommodate fully in the A-site. Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of non-sense-mediated decay (NMD) of mRNAs containing premature stop codons

Product:

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

Molecular Weight:

~68.9 kDa

Swiss-Prot:

Q8IYD1

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 GSPT2 protein.

DATA:



Western blot analysis of Apolipoprotein E expression in HEK293T (A), Hela (B), mouse liver (C), mouse kidney (D), rat liver (E), rat kidney (F) whole cell lysates.

Immunofluorescent analysis of Apolipoprotein E staining in NIH3T3 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 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).

Note:

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

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