GTDC1 polyclonal antibody

Catalog: BS32257 Host: Rabbit Reactivity: Human

BackGround:

tRNA-queuosine alpha-mannosyltransferase: Glycosyltransferase that specifically catalyzes mannosylation of cytoplasmic tRNA(Asp) modified with queuosine at position 34 (queuosine(34)) . Mannosylates the cyclopentene moiety of queuosine(34) in tRNA(Asp) to form mannosyl-queuosine(34) . Mannosylation of queuosine(34) in tRNA(Asp) is required to slow-down elongation at cognate codons, GAC and GAU, thereby regulating protein translation

Product:

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

Molecular Weight:

~52.6 kDa

Swiss-Prot:

Q4AE62

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

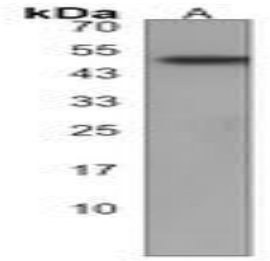
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of GTDC1 protein.

DATA:



Western blot analysis of CDC45 expression in Jurkat (A) whole cell lysates.

Immunofluorescent analysis of CDC45 staining in Jurkat 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 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.

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