



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CDADC1 polyclonal antibody

Catalog: BS34003

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

dCTP deaminase: Catalyzes the deamination of dCTP to dUTP, exhibiting a strong substrate preference for dCTP over CTP. No deaminase activity toward 5-methyl-dCTP, cytidine, or deoxycytidine. May play an important role in testicular development and spermatogenesis. In addition to its role on endogenous nucleotides, it deaminates the active triphosphate forms of the cytidine analog drugs, gemcitabine (dFdCTP) and decitabine (5-aza-dCTP), rendering them susceptible to inactivation by deoxyuridine triphosphatase (DUT). This process limits drug-induced cytotoxicity and contributes to cellular resistance to gemcitabine and decitabine.

Product:

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

Molecular Weight:

~58.5 kDa

Swiss-Prot:

Q9BWV3

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 CDADC1 protein

DATA:

Note:

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

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