



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CCNT2 polyclonal antibody

Catalog: BS35435

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cyclin-T2: Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin T) complex, also called positive transcription elongation factor B (P-TEFB), which is proposed to facilitate the transition from abortive to production elongation by phosphorylating the CTD (carboxy-terminal domain) of the large subunit of RNA polymerase II (RNAP II). The activity of this complex is regulated by binding with 7SK snRNA. Plays a role during muscle differentiation; P-TEFB complex interacts with MYOD1; this tripartite complex promotes the transcriptional activity of MYOD1 through its CDK9-mediated phosphorylation and binds the chromatin of promoters and enhancers of muscle-specific genes; this event correlates with hyperphosphorylation of the CTD domain of RNA pol II (By similarity). In addition, enhances MYOD1-dependent transcription through interaction with PKN1. Involved in early embryo development...

Product:

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

Molecular Weight:

~81.0 kDa

Swiss-Prot:

O60583

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200)

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 CCNT2 protein

DATA:

Western blot analysis of PI3K p85 beta expression in C6 (A), K562 (B), MCF7 (C), U87MG (D), HCT116 (E), NIH3T3 (F), HeLa (G) whole cell lysates.

Note:

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

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