



PRODUCT DATA SHEET

Bioworld Technology, Inc.

ZNF410 polyclonal antibody

Catalog: BS32179

Host: Rabbit

Reactivity: Human

BackGround:

Zinc finger protein 410: Transcription factor that binds to the sequence motif 5'-CATCCCATAATA-3', and is specifically required to silence expression of fetal hemoglobin in adult erythroid cells. Prevents expression of fetal hemoglobin genes HBG1 and HBG2 through CHD4; acts as a direct transcriptional activator of CHD4, a central component of the NuRD complex that represses transcription of fetal hemoglobin genes HBG1 and HBG2 in erythroid cells. May also activate transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence. May activate transcription of the gap junction gene GJC1, perhaps in response to increasing glucose. However, recent studies suggest that ZNF410 is dedicated to regulate expression of a single gene: CHD4

Product:

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

Molecular Weight:

~52.1 kDa

Swiss-Prot:

Q86VK4

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

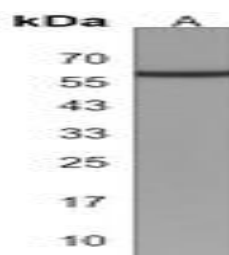
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ZNF410 protein.

DATA:



Western blot analysis of Insulin expression in MIN6 (A) whole cell lysates.

Immunohistochemical analysis of Insulin staining in rat pancreas 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 Insulin staining in MIN6 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 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.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151