



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### TCF15 polyclonal antibody

Catalog: BS33088

Host: Rabbit

Reactivity: Human, Mouse

#### BackGround:

Transcription factor 15: Early transcription factor that plays a key role in somitogenesis, paraxial mesoderm development and regulation of stem cell pluripotency. Essential for the mesenchymal to epithelial transition associated with somite formation. Required for somite morphogenesis, thereby regulating patterning of the axial skeleton and skeletal muscles. Required for proper localization of somite epithelium markers during the mesenchymal to epithelial transition. Also plays a key role in regulation of stem cell pluripotency. Promotes pluripotency exit of embryonic stem cells (ESCs) by priming ESCs for differentiation. Acts as a key regulator of self-renewal of hematopoietic stem cells (HSCs) by mediating HSCs quiescence and long-term self-renewal. Together with MEOX2, regulates transcription in heart endothelial cells to regulate fatty acid transport across heart endothelial cells. Acts by forming a hete...

#### Product:

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

#### Molecular Weight:

~20.8 kDa

#### Swiss-Prot:

Q12870

#### 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 TCF15 protein

#### DATA:

Western blot analysis of KDM1A expression in HeLa (A), HCT116 (B), COS7 (C) whole cell lysates.

Immunofluorescent analysis of KDM1A staining in HeLa 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.

#### Note:

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

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