



PRODUCT DATA SHEET

Bioworld Technology, Inc.

PAX4 polyclonal antibody

Catalog: BS31138

Host: Rabbit

Reactivity: Human, Rat

BackGround:

Paired box protein Pax-4: DNA-binding transcription factor that plays a central role in the differentiation and development of type B pancreatic cells, which are located within the pancreatic islets of Langerhans responsible for the production and release of insulin (By similarity). Mainly acts as a transcription repressor that binds to a common element in the glucagon, insulin and somatostatin promoters and inhibits their expression (By similarity). Prevents differentiation of type A pancreatic cells, probably by repressing expression of ARX (By similarity). Competes with another transcription factor, PAX6, for this same promoter binding site (By similarity). Also plays a key role in intestinal enteroendocrine cell differentiation by (1) directly promoting differentiation of enterochromaffin cells and (2) preventing differentiation of other intestinal enteroendocrine cell types. Prevents differentiation of o...

Product:

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

Molecular Weight:

~37.8 kDa

Swiss-Prot:

O43316

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

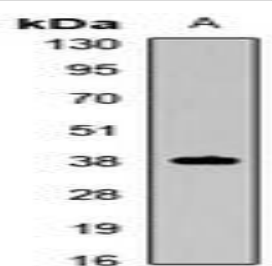
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of PAX4 protein.

DATA:



Western blot analysis of BMAL1 (Acetyl-K538) expression in MG63 (A), U87MG (B) whole cell lysates.

Immunohistochemical analysis of BMAL1 (Acetyl-K538) staining in human stomach cancer 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.

Note:

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

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