



PRODUCT DATA SHEET

Bioworld Technology, Inc.

PGPEP1 polyclonal antibody

Catalog: BS35059

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Pyroglutamyl-peptidase 1: Removes 5-oxoproline from various penultimate amino acid residues except L-proline

Product:

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

Molecular Weight:

~23.1 kDa

Swiss-Prot:

Q9NXJ5

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 PGPEP1 protein

DATA:

Western blot analysis of Ku80 expression in HEK293T (A), Hela (B), H446 (C), mouse kidney (D), mouse lung (E), rat lung (F) whole cell lysates.

Immunohistochemical analysis of Ku80 staining in human breast 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.

Immunofluorescent analysis of Ku80 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

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

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