



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### TTLL3 polyclonal antibody

Catalog: BS33461

Host: Rabbit

Reactivity: Human, Mouse

#### BackGround:

Tubulin monoglycylase TTLL3: Monoglycylase which modifies alpha- and beta-tubulin, adding a single glycine on the gamma-carboxyl groups of specific glutamate residues to generate monoglycine side chains within the C-terminal tail of tubulin. Not involved in elongation step of the polyglycylation reaction (By similarity). Preferentially glycyates a beta-tail peptide over the alpha-tail, although shifts its preference toward alpha-tail as beta-tail glutamylation increases (By similarity). Competes with polyglutamylases for modification site on beta-tubulin substrate, thereby creating an anticorrelation between glycylation and glutamylation reactions (By similarity). Together with TTLL8, mediates microtubule glycylation of primary and motile cilia, which is essential for their stability and maintenance (By similarity). Involved in microtubule glycylation of primary cilia in colon which controls cell proliferation 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:

~87.4 kDa

#### Swiss-Prot:

Q9Y4R7

#### 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 TTLL3 protein

#### DATA:

Immunohistochemical analysis of MUC1 staining in human breast carcinoma 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.

Immunohistochemical analysis of MUC1 staining in human tonsil 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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