



TTLL13 polyclonal antibody

Catalog: BS33775

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Tubulin polyglutamylase TTLL13: Polyglutamylase which modifies tubulin, generating polyglutamate side chains of variable lengths on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin. Mediates ATP-dependent polyglutamate side-chain elongation of the polyglutamylation reaction but not the initiation step (By similarity). Preferentially modifies the alpha-tubulin tail over a beta-tail (By similarity). Mediates spindle-pole microtubule glutamylation in a CFAP100-dependent manner, a modification necessary for maintaining spindle-pole integrity and ensuring proper spindle assembly

Product:

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

Molecular Weight:

~93.6 kDa

Swiss-Prot:

A6NNM8

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 TTLL13 protein

DATA:

Western blot analysis of SPDYE3 expression in A375 (A) whole cell lysates.

Immunohistochemical analysis of SPDYE3 staining in human cervical 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.

Flow cytometric analysis of A375 cells using Anti-SPDYE3 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

Note:

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

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