



NUDT3 polyclonal antibody

Catalog: BS34885

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Diphosphoinositol polyphosphate phosphohydrolase 1: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Acts as a negative regulator of the ERK1/2 pathway (By similarity). Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with diadenosine 5',5''-P1,P6-hexaphosphate (Ap6A) and diadenosine 5',5''-P1,P5-pentaphosphate (Ap5A) being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate. Acts as a decapping enzyme that modulates the stability of a subset of mRNAs implicated in cell motility. Hydrolyzes monomethylated capped RNA after both the alpha- and beta-phosphates generating m7GMP + ppR...

Product:

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

Molecular Weight:

~19.5 kDa

Swiss-Prot:

O95989

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 NUDT3 protein

DATA:

Western blot analysis of Telomerase (Phospho-S824) expression in HeLa (A), Jurkat (B) whole cell lysates.

Immunohistochemical analysis of Telomerase (Phospho-S824) staining in human lung 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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