

DTX3L polyclonal antibody

Catalog: BS67777

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The E3 ubiquitin-protein ligase DTX3L (BBAP) is a deltex (DTX) family ligase that binds B aggressive lymphoma 1 (BAL1) to mediate the monoubiquitination of histone H4 Lys91 in response to DNA damage. The early recruitment of poly-ADP-ribose polymerase 1 (PARP1) protein to sites of DNA damage leads to poly-ADP-ribosylation (PARylation) of multiple target proteins. This results in the subsequent recruitment of DTX3L/BAL1 through binding of the BAL macrodomain to PARylated proteins. DTX3L/BAL1 then mediates the monoubiquitination of histone H4 Lys91 that is required for subsequent methylation of histone H4 Lys20 and recruitment of p53-binding protein 1. DTX3L and BAL1 are highly expressed in malignant B-cell lymphomas and act to confer chemotherapy-resistance by protecting cells from DNA damaging agents.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 89 kDa

Swiss-Prot:

Q8TDB6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

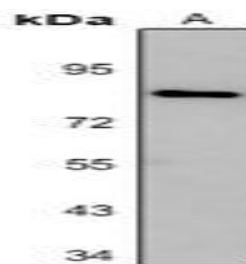
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of DTX3L protein.

DATA:



Western blot analysis of DTX3L expression in mouse thymus (A) whole cell lysates.

Note:

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

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