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DTX3L (vPair™) Antibodies

Cat#: R0923-vp

Lot#: Refer to vial

Predicted | Observed MW: 84 | 120 kDa

Uniprot ID: Q8TDB6

Application: WB

Quantity: 50 ul DTX3L (M) (R0923-1) Rabbit Polyclonal Antibody &
50 ul DTX3L (C) (R0923-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, CHIP, IHC, and FACS.

Background:

E3 ubiquitin-protein ligase (DTX3L) belongs to the Deltex family. DTX3L is a ubiquitin ligase that mediates monoubiquitination of 'Lys-91' of histone H4 (H4K91ub1) in response to DNA damage. DTX3L protects cells exposed to DNA-damaging agents. The exact role of H4K91ub1 in DNA damage response is still unclear but it may function as a licensing signal for additional histone H4 post-translational modifications such as H4 'Lys-20' methylation (H4K20me). DTX3L is involved in the recruitment of 53BP1/TP53BP1 to sites of DNA damage by mediating H4K91ub1 formation.

Other Names:

E3 ubiquitin-protein ligase DTX3L, BBAP, B-lymphoma- and BAL-associated protein, Protein deltex-3-like, Rhysin-2, Rhysin2

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the middle [DTX3L (M) (R0923-1)] or the C-terminal [DTX3L (C) (R0923-2)] region of human DTX3L. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

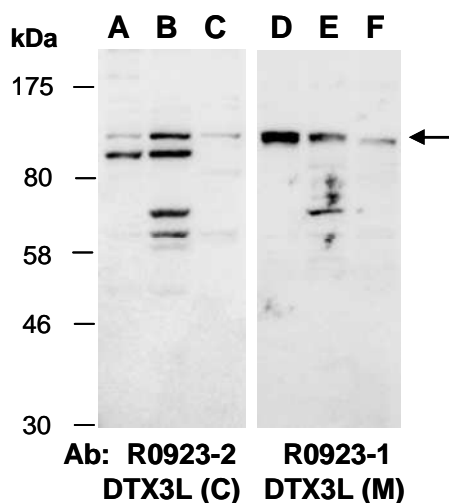


Fig 1. Western blot of total cell extracts from (A,D) human HeLa, (B,E) human Jurkat, (C,F) mouse thymus, using 2 independent Abs against 2 distinct regions of human DTX3L at RT for 2 h.