

Product datasheet

Anti-DTX3L antibody ab70621

[2 Images](#)

Overview

Product name	Anti-DTX3L antibody
Description	Rabbit polyclonal to DTX3L
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human DTX3L aa 700 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q8TDB6
Positive control	WB: HeLa, HEK-293T and NIH/3T3 whole cell lysate. IP: HeLa whole cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70621 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 90 kDa (predicted molecular weight: 83 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function

Ubiquitin ligase that mediates monoubiquitination of 'Lys-91' of histone H4 (H4K91ub1), in response to DNA damage. 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). Involved in the recruitment of 53BP1/TP53BP1 to sites of DNA damage by mediating H4K91ub1 formation.

Pathway

Protein modification; protein ubiquitination.

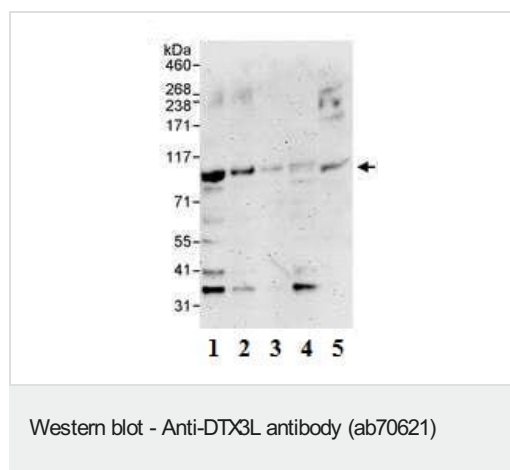
Sequence similarities

Belongs to the Deltex family.
Contains 1 RING-type zinc finger.

Cellular localization

Cytoplasm. Nucleus.

Images



All lanes : Anti-DTX3L antibody (ab70621) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

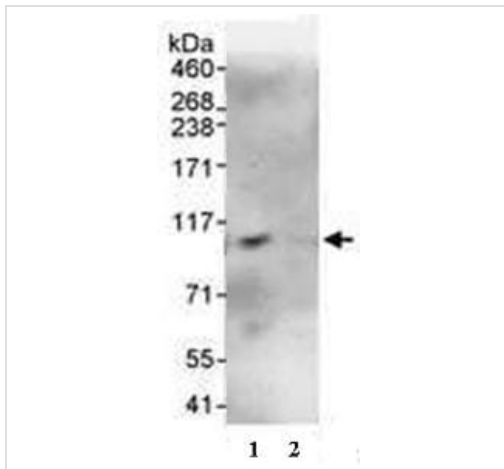
Lane 4 : 293T whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

Predicted band size: 83 kDa

Observed band size: 90 kDa

Additional bands at: 35 kDa, 40 kDa. We are unsure as to the identity of these extra bands.



Immunoprecipitation of HeLa whole cell lysate (1mg) using ab70621 at 3 µg/mg lysate (lane 1) or control IgG (lane 2). 20% of the immunoprecipitate was analysed by Western blot using ab70621 at 1 µg/ml.

Immunoprecipitation - Anti-DTX3L antibody
(ab70621)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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