ENCODE DCC Antibody Validation Document

Date of Submission: 09/12/2012

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Antibody Name: Pbx3

Target: epitope mapping at the N-terminus of Pbx 3 of hum

Company/ Source: Santa Cruz Biotechnology

Catalog Number, database ID, laboratory: sc-891

Lot Number: H0307

Antibody Description: Rabbit polyclonal IgG, epitope mapping at the N-terminus of Pbx 3 of human origin

Target Description: Transcriptional activator that binds the sequence 5'-ATCAATCAA-3' (RefSeq). GeneID: 5090. 47 kDa.

Species Target: Human

Species Host: Rabbit

Validation Method #1: Western Blot

Validation Method #2:

Purification Method:

Polyclonal/ Monoclonal: Polyclonal

Vendor URL: http://datasheets.scbt.com/sc-891.pdf

Reference (PI/ Publication Information):

Please complete the following for antibodies to histone modifications:

if your specifications are not listed in the drop-down box, please write-in the appropriate information

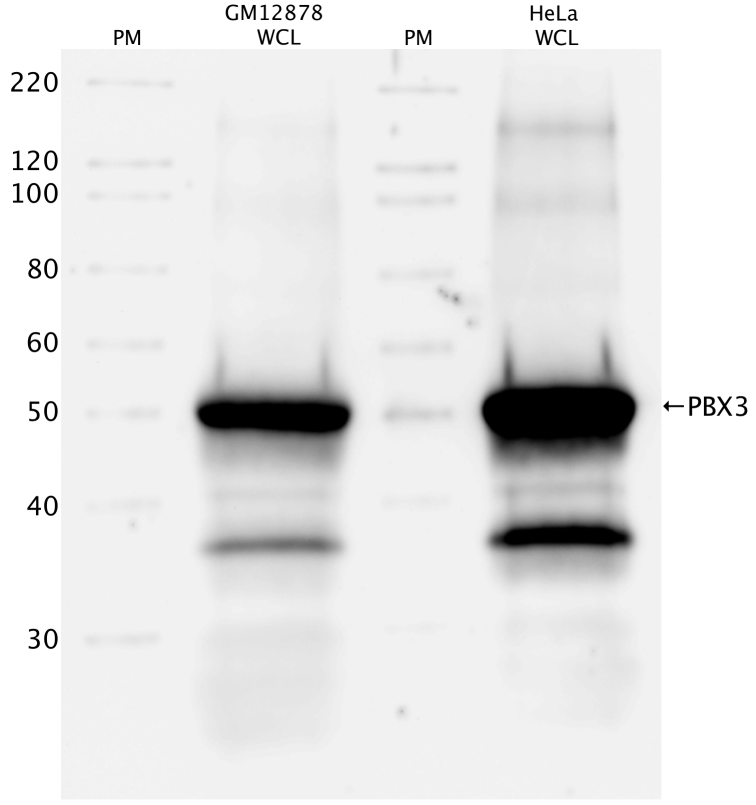
Histone Name | AA modified | AA Position | Modification

Validation #1
Analysis

Western blot protocol:
Whole cell lysates were immunoprecipitated using primary antibody (sc-891), and the IP fraction was loaded on a 12% acrylamide gel and separated with a Bio-Rad PROTEAN II xi system. After separation, the samples were transferred to a nitrocellulose membrane with an Invitrogen iBlot system. Blotting with primary (same as that used for IP) and secondary HRP-conjugated antibodies was performed on an Invitrogen BenchPro 4100 system. Visualization was achieved using SuperSignal West Femto solution (Thermo Scientific).

Results: Band of expected size visualized, representing strongest signal in the lane.

Figure legend: IP-western with sc-891 in WCL (whole cell lysates) of GM12878 and HeLa; PM=protein marker. PBX3 band is indicated.



Insert Validation Image (click here)

Validation #2
Analysis

Insert Validation Image (Click here)

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