ENCODE DCC Antibody Validation Document

Date of Submission: 09/12/2012

Name: Dr. Flo Pauli

Email: fpauli@hudsonalpha.org

Lab: Myers

Antibody Name: p300

Target: epitope mapping at the C-terminus of p300 of huma

Company/ Source: Santa Cruz Biotechnology

Catalog Number, database ID, laboratory: sc-585

Lot Number: D0411

Antibody Description: Rabbit polyclonal IgG, epitope mapping at the C-terminus of p300 of human origin

Target Description: Encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling (RefSeq). GeneID: 2033. 264 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-585.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:

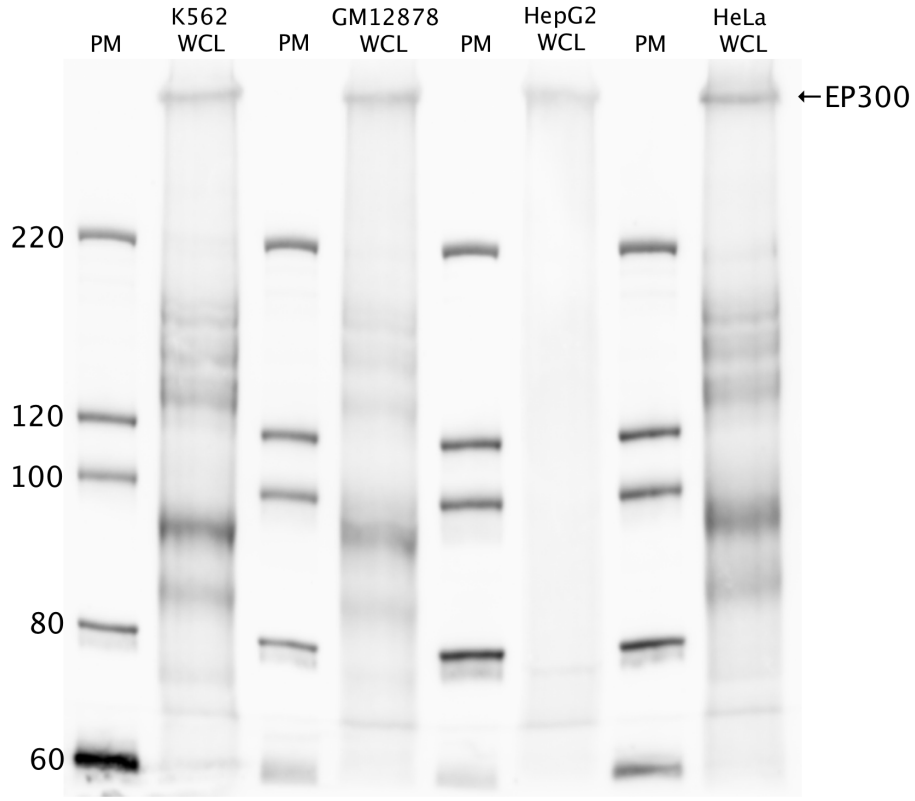
Modification:

Validation #1
Analysis

Western blot protocol:
Whole cell lysates were immunoprecipitated using primary antibody (sc-585), 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-585 in WCL (whole cell lysates) of K562, GM12878, HepG2, and HeLa; PM=protein marker. p300 band is indicated.



Insert Validation Image (click here)

Validation #2
Analysis

Insert Validation Image (Click here)

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