**ENCODE DCC Antibody Validation Document**

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**Antibody Name:** p300  
**Target:** epitope mapping at the C-terminus of p300 of human origin

**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 a 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


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**Histone Name**  
**AA modified**  
**AA Position**  
**Modification**

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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*
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.
Validation #2
Analysis

Insert Validation Image (Click here)

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