Date of Submission: 091412

Name: Yin Shen
Email: y7shen@ucsd.edu

Lab: Ren

Antibody Name: p300 Antibody (C-20)
Target: epitope mapping at the C-terminus of p300 of human origin

Company/Source: Santa Cruz

Catalog Number, database ID, laboratory: SC-585
Lot Number: E2209

Antibody Description: a rabbit polyclonal IgG against P300

Target Description: p300 Antibody (C-20) is a rabbit polyclonal IgG with epitope mapping at the C-terminus of p300 of human origin

Species Target: Human
Species Host: Rabbit

Validation Method #1: Western Blot
Validation Method #2: ChIP

Purification Method: Polyclonal/Monoclonal
Polyclonal

Vendor URL: http://www.scbt.com/datasheet-585-p300-

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 analysis of lysates from hela nuclear extract using rabbit polyclonal to P300
We performed ChIP-seq of P300 in mESCs with two biological replicates, and called peaks by MACS with the default parameter ($P$ value < $1\times10^{-5}$). 67% out of the 16,054 distal P300 binding sites overlap with predicted enhancers by H3K4me1, compared to random expected 6.5% ($P < 2.2 \times 10^{-16}$ (chi-square test)). This result shows that the P300 antibody we use is specific.