

ENCODE DCC Antibody Validation Document

Date of Submission

Name: Email:

Lab

Antibody Name: Target:

Company/
Source:

Catalog Number, database ID, laboratory Lot Number

Antibody Description:

Target Description:

Species Target

Species Host

Validation Method #1

Validation Method #2

Purification Method

Polyclonal/
Monoclonal

Vendor URL:

Reference (PI/
Publication
Information)

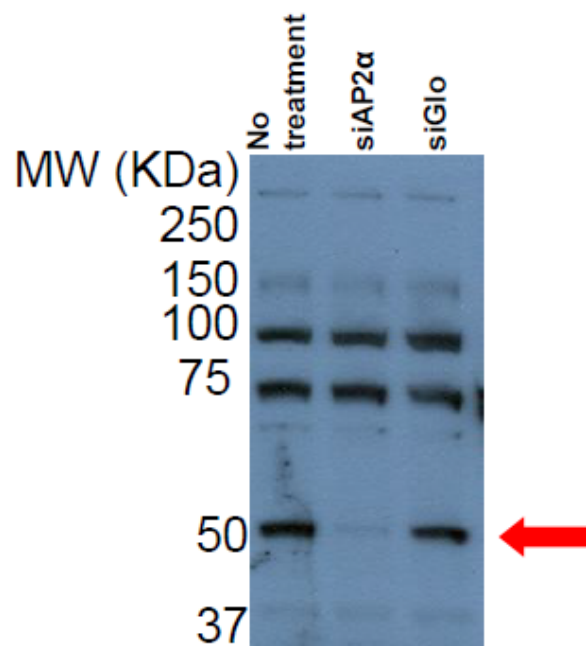
Please complete the following for antibodies to histone modifications:
if your specifications are not listed in the drop-down box,
please write-in the appropriate information

Histone Name AA modified AA Position Modification

Depletion of AP2alpha following transfection of 100nM AP2alpha siRNA into HeLaS3 cells for 48Hrs. 100nM of siGlo was used in parallel as the control siRNA. 20ugs of whole cell extract were loaded for the Western blot, and the expected AP2alpha band was detected at 48 KDa with the anti-AP2alpha antibody (indicated by the red arrow).

Validation #1
Analysis

AP2alpha antibody: Santa Cruz Biotechnology rabbit polyclonal anti-AP2alpha (H-79) sc-8975

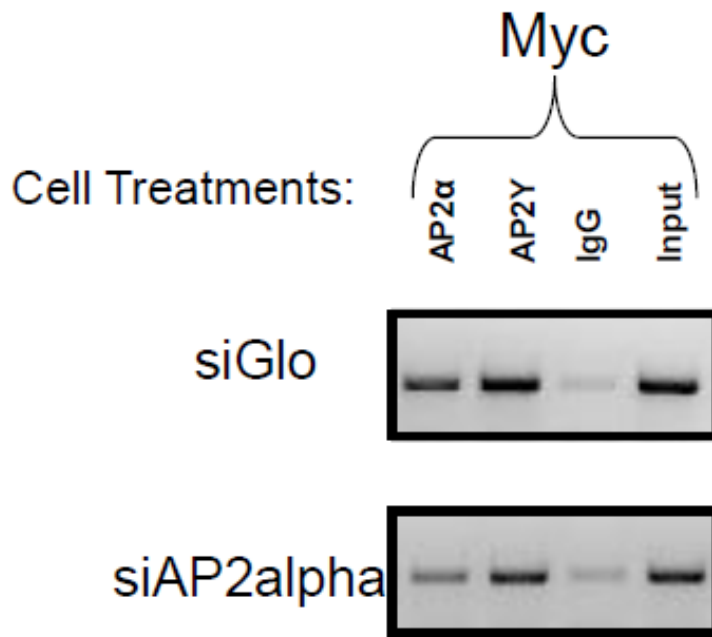


Insert Validation Image (click here)

ChIP analysis of AP2alpha (AP2a) and AP2gamma (AP2Y) in MCF7 cells transfected with either 100nM of siAP2alpha or 100nM siGlo control for 72Hrs. The AP2alpha, but not the AP2gamma, ChIP signal on the Myc promoter is specifically reduced in MCF7 cells transfected with siAP2alpha compared to cells transfected with siGlo control siRNA.

AP2alpha antibody: Santa Cruz Biotechnology rabbit polyclonal anti-AP2alpha (H-79) sc-8975

Validation #2
Analysis



Insert Validation Image (Click here)