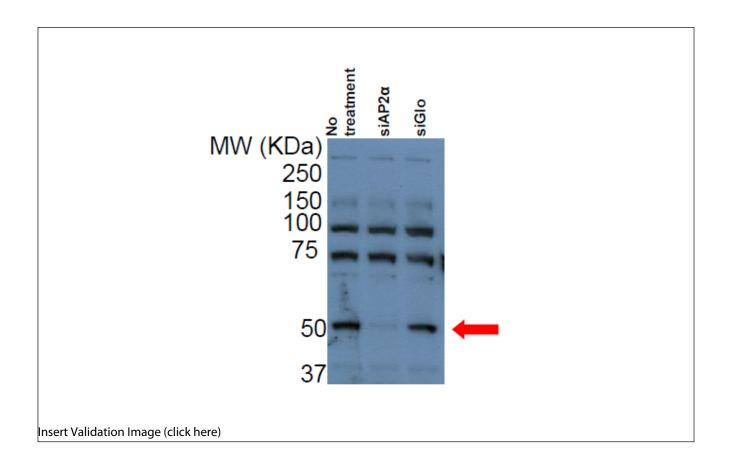
ENCODE DCC Antibody Validation Document

Name: P	eggy Farnham		Email:	
	Lab	Farnham		V
Antibody	Name: AP-2alpha		Target: AP-2alpha	
	Company, Source:	Santa C	ruz Biotechnology	
Catalog Nur	mber, database ID, laboratory sc	-8975	Lot Number	E0804
Antibody Description:	Rabbit polyclonal - AP-2alpha 130-209 mapping within an in			
Target Description:		tion of sele ate genes dy wall, lim	cted genes. AP-2 factors b involved in a large spectru b and neural tube developr	ind to the consensus sequence m of important biological functions ment. They also suppress a
S	pecies Target Human	•	Species Host Rabbit	_
V	alidation Method #1 siRNA	v	Validation Method #2	ChIP
	Purification Method	¥	Polyclonal/ Monoclonal	al
	Vendor URL:	http://ww	w.scbt.com/datasheet-897	'5-ap-2a
eference (PI/ ublication formation)	Peggy J. Farnham/ Blahnik Nicolet CM, Ludaescher B, I program for peak detection	Korf I, Farn	háfaeed (201/00)PSdlipsearXI	
our specificati	te the following for antibodies to ions are not listed in the drop-down bo ne appropriate information		difications:	
stone 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



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

