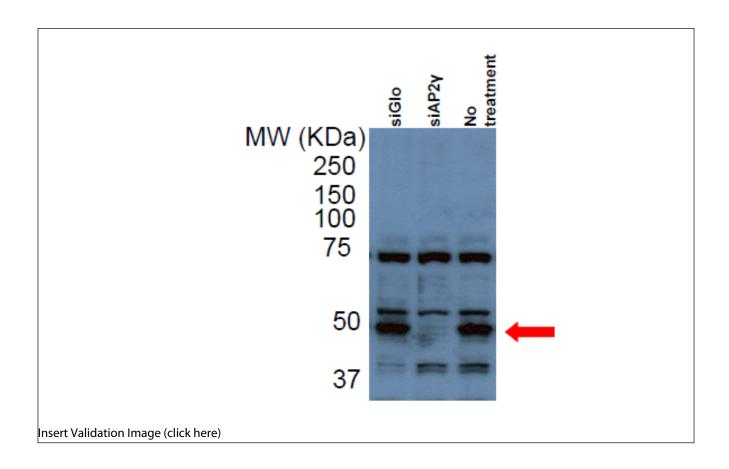
ENCODE DCC Antibody Validation Document

Date of Submission 2/22/11	
Name: Peggy Farnham	Email:
Lab Farnham	•
Antibody Name: AP-2gamma	Target: AP-2gamma
Company/ Source:	uz Biotechnology
atalog Number, database ID, laboratory sc-8977	Lot Number G1404
Rabbit polyclonal - AP-2Y (H-77) is a rabb mapping with in an internal region of AP-2 Pescription:	oit polyclonal antibody raised against amino acids 145-221 2Y of human origin.
escription: 5'-GCCNNNGGC-3' and activate genes in	nat interacts with inducible viral and cellular enhancer sted genes. AP-2 factors bind to the consensus sequence avolved in a large spectrum of important biological functions o and neural tube development. They also suppress a B, C/EBP alpha and MYC.
Species Target Human	Species Host Rabbit
Validation Method #1 siRNA	Validation Method #2 ChIP
Purification Method	Polyclonal/ Monoclonal
Vendor URL: http://wwv	w.scbt.com/datasheet-8977-ap-2g
erence (PI/ olication ormation)	
ase complete the following for antibodies to histone mod ur specifications are not listed in the drop-down box, se write-in the appropriate information	lifications:
tone Name AA modified	▼ AA Position ▼ Modification

Depletion of AP2gamma following transfection of 100nM AP2gamma siRNA into MCF7 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 AP2gamma band was detected at 48 Kda with the anti-AP2gamma antibody (indicated by the red arrow).

Validation #1 Analysis AP2gamma antibody: Santa Cruz Biotechnology rabbit polyclonal anti-AP2gamma (H-77) sc-8977



ChIP analysis of AP2alpha (AP2a) and AP2gamma (AP2Y) in MCF7 cells transfected with either 100nM of siAP2alpha or 100nM siGlo control for 72Hrs. The AP2gamma, but not the AP2alpha, ChIP signal on the Myc promoter is specifically reduced in MCF7 cells transfected with siAP2gamma compared to cells transfected with siGlo control siRNA.

AP2gamma antibody: Santa Cruz Biotechnology rabbit polyclonal anti-AP2gamma (H-77) sc-8977

Validation #2 Analysis

