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 ___________________________
Quality Control Testing

Immunoblot Analysis: A 1:1000 - 1:5000 dilution of this lot detected Histone H2A.Z in acid extracted proteins from HeLa cells and recombinant Histone H2A.Z (Catalog # 14-597). No cross-reactivity with recombinant Histone H2A (Catalog # 14-409) was observed.

Immunoblot Analysis
Representative lot data
Acid extracted proteins from HeLa were resolved by electrophoresis, transferred to nitrocellulose and probed with anti-Histone H2A.Z (1:2000). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system. Arrow indicates histone H2A.Z (~16kDa).
Validation #2
Analysis

Insert Validation Image (Click here)