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
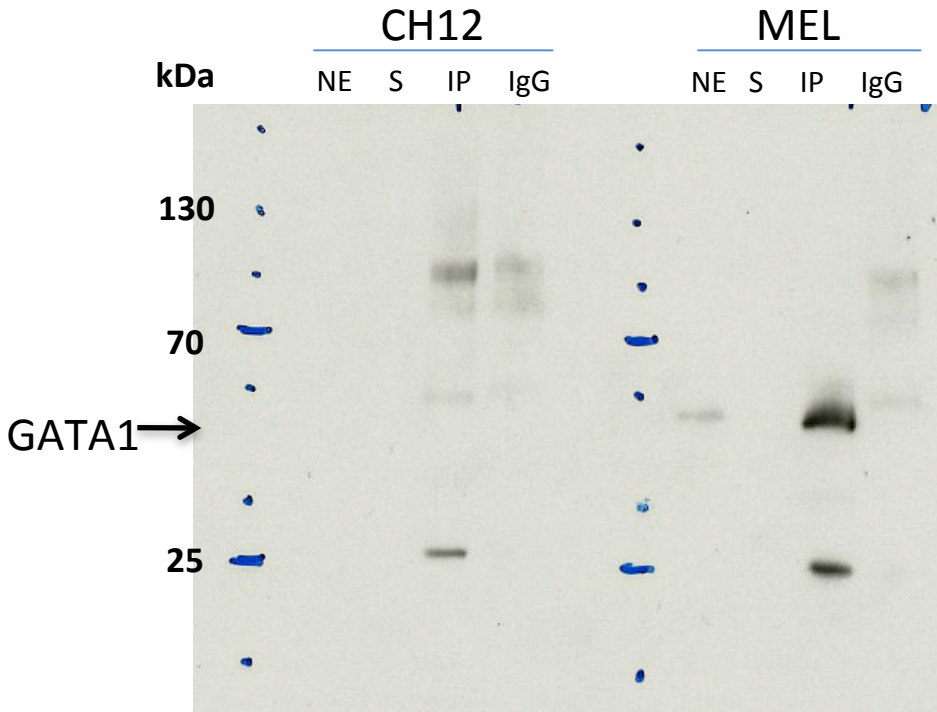
AA Position

Modification

Validation #1
Analysis

Insert Validation Image (click here)

Antibody: GATA-1 Source: Santa Cruz Biotech sc-266x

Epitope: rat monoclonal IgG_{2a}, raised against bacterially expressed murine GATA-1

Validation 1: Immunoprecipitation (IP) in both CH12 and MEL cell lines

Arrow indicates immunoprecipitated band of expected size of GATA-1 in both CH12 and MEL cell lines (~43 kDa). We used DMP crosslinker to reduce antibody band interference.

NE: nuclear extract
S: supernatant after IP
IP: IP with tested antibody
IgG: IP with control IgG

Note: No detectable GATA-1 in CH12 cell which is consistent with RNA-Seq results

Validation #2
Analysis

Insert Validation Image (Click here)