

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

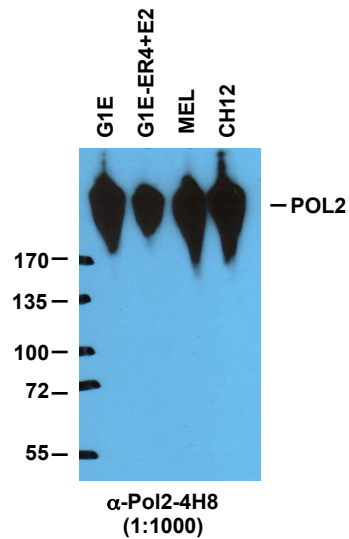
Vendor URL:

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

Hardison Lab @ Penn State University Pol2-4H8 antibody validation



Pol2-4H8 antibody: Abcam POL24H8, Cat# ab5408

Validation of Pol2-4H8 antibody.

Western blot analysis of POL2 expression in various mouse cell lines.

Whole cell extracts prepared from G1E, G1E-ER4+E2, MEL, and CH12 cells were separated by SDS-PAGE and transferred to PVDF using standard immunoblotting methods. POL2 expression was detected using mouse anti-POL24H81 (ab5408, 1:1000) followed by incubation with anti-mouse secondary antibody (1:5000) and detected by ECL Plus (Amersham Biosciences). As expected, a single band of approximately 260 kDa was detected (predicted molecular weight: 217 kDa) in all cell lines tested.