ENCODE DCC Antibody Validation Document

Date of Submission 9/14/12	
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Lab Snyder	
Antibody Name: Anti-human Mxi1 Antibody	Target: Mxi1
Company/ Source:	Systems
Catalog Number, database ID, laboratory AF4185	Lot Number ZIJ0107031
Antibody Description:	rified E. coli-derived, recombinant human Mxi1 (rhMxi1; aa 81 fxi1 specific igG was purified by human Mxi1 affinity
Target Anscholige Maximteractor 1) is a 26 kDa m transcription ax Mys gene activation Description: 95% aa identical to mouse Mxi-1.	nember of the bHLH-leucine zipper tamily. Myc superfamily of Bessed transcriptional lepressor final heteroofficerizes with Max SHLH domain (aa 81 - 120). Over aa 81 - 228, human MxI-1 is
Species Target Mouse	Species Host Goat
Validation Method #1 Immunoprecipitatio	r Validation Method #2 IP-Mass Spec
Purification Method	Polyclonal/ Monoclonal
Vendor URL:	www.rndsystems.com/ ct_results:aspx?k=AF4185
Reference (PI/ Publication Information)	
Please complete the following for antibodies to histone r if your specifications are not listed in the drop-down box, please write-in the appropriate information	modifications:
Histone Name AA modified	AA Position Modification

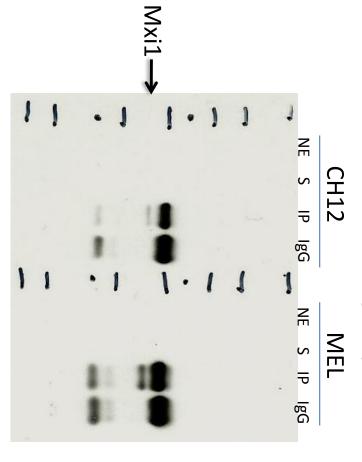
	Immunoprecipitation of CH12 and MEL nuclear extracts using anti-Mxi antibody (AF4185) efficiently enliched a single band of the expected molecular weight of MxI (~35 kD).
	enciently enficied a single band of the expected molecular weight of MXI (~35 kD).
Validation #1	
Analysis	

Insert Validation Image (click here)

Antibody: Mxi-1 Source: AF4185 AF4185

E. coli-derived, recombinant human Mxi1 aa 81 - 228 **Epitope:** Mxi-1 antibody was produced in a goat immunized with purified,

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



Arrow indicates immunoprecipitated band of expected size of Mxi-1 in both CH12 and MEL cell lines (~35 kDa).

NE: nuclear extract S: supernatant after IP IP: IP with tested antibody IgG: IP with control IgG AF4185 has been validated by IP-Mass Spec in K562 cells. See validation documents submitted for human cell lines for details.

Validation #2 Analysis

Insert Validation Image (Click here)

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