

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

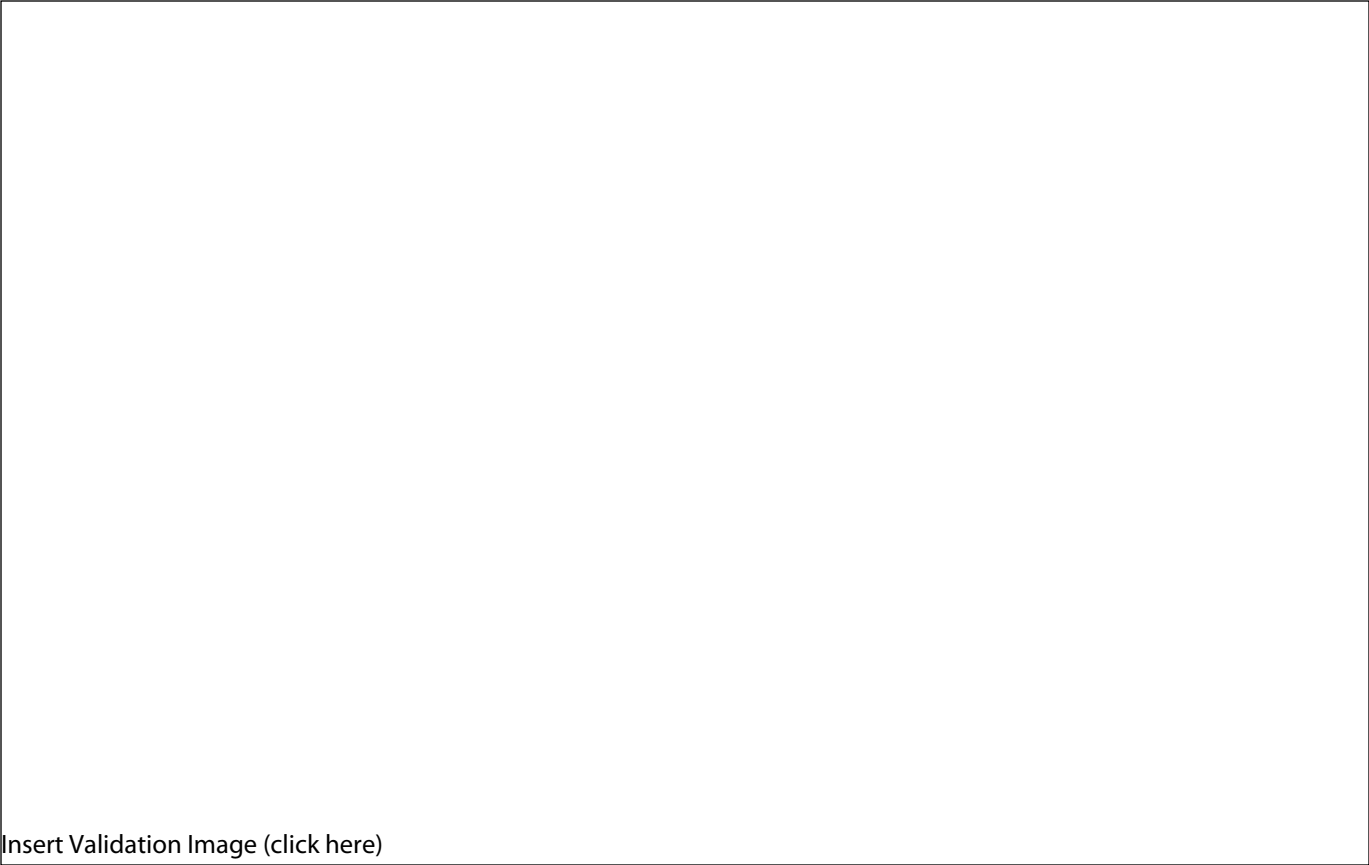
AA Position

Modification

Validation #1
Analysis



Insert Validation Image (click here)



Antibody sc-21754 (PolIII/POLR3G/RPC32) Immunoprecipitation

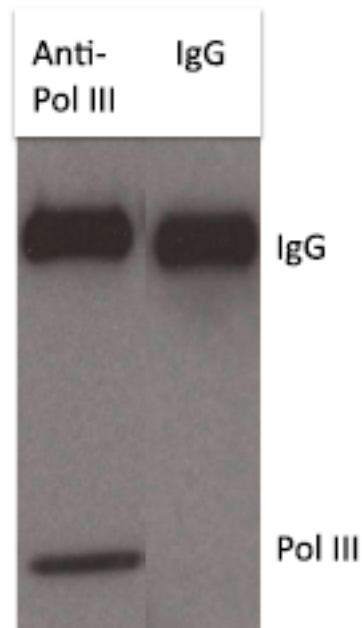


Fig. S1. Validation of Pol III antibody by IP/Western blot. Nuclear proteins extracted from K562 cells were immunoprecipitated by using either anti-Pol III antibody sc21754 or normal IgG. Immunoprecipitated proteins were separated by SDS/PAGE and Pol III protein was detected by Western blot.

Taken from Raha et.al, Proc Natl Acad Sci U S A. 2010 Feb 23;107(8):3639-44

Validation #2
Analysis



Insert Validation Image (Click here)

sc-21754 (PolIII/POLR3G/RPC32) Immunoprecipitation/ Mass spectrometry

Table S1

Protein name	Accession numbers	Peptide Count					
		IP with normal IgG		IP with anti-Pol II		IP with anti-Pol III	
		replicate 1	replicate 2	replicate 1	replicate 2	replicate 1	replicate 2
ALMS1	IPI00178743	0	0	5	4	0	0
ATP-binding domain 1 family member C	IPI00470580	0	0	3	0	0	0
Hypothetical protein LOC158293	IPI00747666	0	0	2	0	0	0
GRINL1A(Isoform 12)	IPI00552141	2	0	18	10	0	0
LIM domain-binding protein 1 (Isoform 3)	IPI00428954	0	0	7	2	0	0
L-lactate dehydrogenase A chain	IPI00217966	2	0	0	0	4	2
POLR1C, RNA pol I and III subunit RPAC1	IPI00005179	0	0	0	0	18	17
POLR1D, RNA pol I and III subunit RPAC2	IPI00032439	0	0	0	0	4	4
POLR2A RNA pol II subunit RPB1	IPI00031627	3	0	334	363	0	0
POLR2B RNA pol II subunit RPB2	IPI00027808	2	0	175	188	0	0
POLR2C, RNA pol II subunit RPB3	IPI00018288	0	0	49	15	0	0
POLR2D, RNA pol II subunit RPB4	IPI00007283	0	0	23	17	2	1
POLR2E, pol I, II, and III subunit RPABC1	IPI00291093	1	0	14	15	3	3
POLR2G, RNA pol II subunit RPB7	IPI00218895	0	0	32	26	0	0
POLR2H RNA Pol I, II, and III subunit RPABC3	IPI00003309	0	0	37	42	11	19
POLR2I RNA Pol II subunit RPB9	IPI00006113	0	0	13	18	0	0
POLR2J RNA Pol II subunit RPB11-a	IPI00740443	0	0	14	17	0	0
POLR2L RNA Pol I, II, and III subunit RPABC5	IPI00003311	0	0	5	5	0	0
POLR3A RNA Pol III subunit RPC1	IPI00024163	0	0	0	0	84	89
POLR3B RNA Pol III subunit RPC2	IPI00301346	0	0	0	0	31	32
POLR3C RNA Pol III subunit RPC3	IPI00007948	0	0	0	0	47	43
POLR3D RNA Pol III subunit RPC4	IPI00215978	0	0	0	0	0	4
POLR3E Isoform 1 of RNA Pol III subunit RPC5	IPI00220045	0	0	0	0	8	9
POLR3E Isoform 3 of RNA Pol III subunit RPC5	IPI00018245	0	0	0	0	29	32
POLR3F RNA Pol III subunit RPC6	IPI00100245	0	0	0	0	30	29
POLR3G RNA Pol III subunit RPC7	IPI00007947	0	0	0	0	22	21
POLR3H, RNA Pol III subunit RPC8	IPI00289667	0	0	0	0	5	10
POLR3K RNA Pol III subunit RPC10	IPI00008461	0	0	0	0	4	3
Heterogeneous nuclear ribonucleoprotein G	IPI00304692	0	0	5	9	0	0
ATP-dependent DNA helicase Q5 (Beta)	IPI00185769	0	0	10	12	0	0
RPAP2, RNA pol II-associated protein 2	IPI00293375	0	0	43	49	0	0
Single-stranded DNA-binding protein 3	IPI00157304	0	0	6	6	0	0