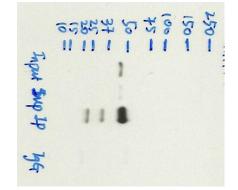
ENCODE DCC Antibody Validation Document

Date of Submission 09/14/2012	
Name: Trupti Kawli	Email: trupti@stanford.edu
Lab Snyder	
Antibody Name: GATA1 (sc-266)	Target: GATA1
Company/ Source:	ruz Biotechnology
Catalog Number, database ID, laboratory sc-266	Lot Number B2510
This is a rat monoclonal antibody raised a Description:	against bacterially expressed murine GATA-1.
Members of the GATA family share a con- binding the WGATAF conserving sequence regulated franscription of erythroid genes. Description:	served zinc finger DNA-binding domain and are capable of C It is an essential component in the generation of the
Species Target Human	Species Host Rat
Validation Method #1 Immunoprecipitation	Validation Method #2 Motif Enrichment
Purification Method	Polyclonal/ Monoclonal
Vendor URL:	w.scht.com/datasheet-266- I-antibody.html
Reference (PI/ Publication Information)	
Please complete the following for antibodies to histone mod if your specifications are not listed in the drop-down box, please write-in the appropriate information	difications:
Histone Name AA modified	AA Position Modification

Immunoprecipitation of K562 nulcear extract with sc-266 antibody efficiently enriches a protein of molecular weight of GATAT (46KD).

Validation #1 Analysis

Insert Validation Image (click here)

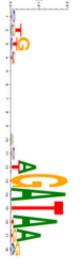


extracts detected using anti GATA1 (sc266) antibody from Santa Cruz Biotechnology. Expected protein band 47kD. Western Blot analysis of immunoprecipitated proteins from K562 nuclear

fraction from 07-729, lgG: Control Immunoprecipitation using lgG. Input: Input lysate, Sup: Supernatant from IP, IP: Immunoprecipitated

Fig. 1 GATA1 motif enrichment

enriched GATA1 motif Fig. 2 Motif enrichment sequence and position weight matrix for the highly



V 0.186054 0.187075 0.544558 0.082313 B 0.089983 0.253311 0.416978 0.239728 B 0.135962 0.451734 0.210061 0.202243 A 0.809378 0.017329 0.127761 0.045532 A 0.941216 0.002039 0.007815 0.048930 A 0.993553 0.002375 0.000679 0.003393 G 0.001018 0.002376 0.996606 0.000000 W 0.664744 0.010519 0.012555 0.312182 V 0.178947 0.397963 0.305942 0.117148 N 0.248898 0.224483 0.292302 0.234317 N 0.241941 0.237190 0.302341 0.218527 N 0.225390 0.252885 0.318398 0.203327 N 0.238031 0.233277 0.306621 0.222071 N 0.227165 0.215620 0.263158 0.294058 K 0.044497 0.061821 0.652514 0.241168 K 0.088715 0.150918 0.176751 0.583616 T 0.005433 0.008829 0.010187 0.975551 D 0.338086 0.138153 0.319077 0.204684 Tal1::Gata1_jaspar_MA0140.1 + >GATA_known14 GATA_14#known Validation #2 Analysis

Insert Validation Image (Click here)