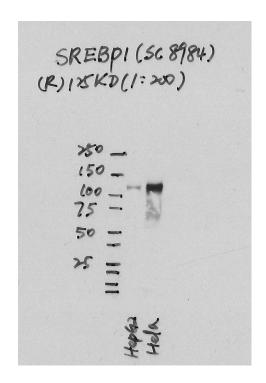
ENCODE DCC Antibody Validation Document

Date of Subm	nission [09/12/12							
Name: Trup	ti Kawli			Email:	trupti@sta	ınford.	edu		
		Lab	Snyder						
Antibody Nar	me: SRE	EBP1 (sc-8984)		Targ	et: SREBP	P1			
								_	
Company/ Source: Santa Cruz Biotechnology									
Catalog Numbe	er, databa	se ID, laboratory s	c-8984		Lot Num	ber 1	10211		
Rabbit ploclonal antibody raised against amino acids 41-200 of SREBP-1 of human origin. Description:									
Target Bi	ranscript ene as w inds io th becilicity	ional activator regle le sterol regliator binding to both an	yired for lipid b Yelbox Motil (1	iomeost SECEGIE 5-ATCA	asis Regula PATGA-37	tes tra sterol s and to	inscriptio Synthesis SRE-T (n of the LDL re Late Alecce	ceptor imilarity). AC-3')
Spec	ies Targe	Human		Spec	cies Host Ra	abbit			
Valid	dation Me	ethod #1 Western I	Blot	Valid	lation Metho	od #2 [I	P-Mass	Spec	
Purification Affinity				Polyclonal Polyclonal					
Vendor URL: http://www.scht.com/product.php?									
eference (PI/ ublication ıformation)									
ease complete the following for antibodies to histone modifications: your specifications are not listed in the drop-down box, ease write-in the appropriate information									
istone Name		AA modified			AA Positio	n		Modification	

	Western blot of Helas3 and HepG2 nuclear extracts using the anti SREBP1 (sc-8984) detects a single high molecular weight protein of about 125kb. This band was further analyzed by IP-Mass Spec.
Validation #1 Analysis	
Insert Validation	lmage (click here)

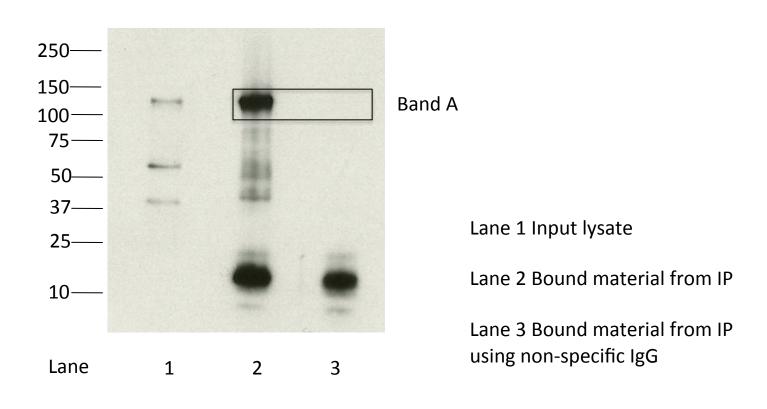


Western Blot analysis of nuclear extracts from HelaS3 and HepG2 using anti SREBP1 antibody (sc-8984). Expected protein band 125 kD.

Validation #2 Analysis	Immunoprecipitation of SREBE1, from Hep G2, cells using sc. 8984 antibody. I are 1; input my lived by the distinguished was excised from the get and subjected to the my lived by the second of the get and subjected to the provide the get and subject of
Insert Validation I	Image (Click here)

Immunoprecipitation assay (IP) + mass spectrometry assay

MW SREBP1(sc8984) (R) 125 kD



Spectrum	Name of Protein	Count of peptides	Ratio(SREBP1/IgG Control)
SREBP1 Band A	Isoform 4 of Sterol regulatory element-binding protein 1	40	NOT IN CONTROL IP
SREBP1 Band A	Oxysterol-binding protein	31	NOT IN CONTROL IP
SREBP1 Band A	Putative uncharacterized protein SFRS14	21	NOT IN CONTROL IP
SREBP1 Band A	10-formyltetrahydrofolate dehydrogenase	18	NOT IN CONTROL IP
SREBP1 Band A	Formyltetrahydrofolate dehydrogenase isoform a variant	18	NOT IN CONTROL IP
SREBP1 Band A	Isoform 1 of N-terminal kinase-like protein	18	NOT IN CONTROL IP
SREBP1 Band A	Hemoglobin subunit beta	17	NOT IN CONTROL IP
SREBP1 Band A	Isoform 5 of N-terminal kinase-like protein	17	NOT IN CONTROL IP
SREBP1 Band A	Isoform 2 of Oxysterol-binding protein-related protein 8	15	NOT IN CONTROL IP
SREBP1 Band A	interleukin enhancer-binding factor 3 isoform d	14	NOT IN CONTROL IP
SREBP1 Band A	Isoform 1 of Interleukin enhancer-binding factor 3	14	NOT IN CONTROL IP
SREBP1 Band A	Endoplasmin	10	0.833333333
SREBP1 Band A	HNRPU protein	9	0.529411765
SREBP1 Band A	Isoform Long of Heterogeneous nuclear ribonucleoprotein U	9	0.529411765
SREBP1 Band A	Isoform RF1/RF2 of Retrotransposon-derived protein PEG10	9	NOT IN CONTROL IP
SREBP1 Band A	Matrin-3	9	NOT IN CONTROL IP
SREBP1 Band A	Putative uncharacterized protein MATR3	9	NOT IN CONTROL IP
SREBP1 Band A	retrotransposon-derived protein PEG10 isoform 3	9	NOT IN CONTROL IP
SREBP1 Band A	Aldehyde dehydrogenase 1 family, member L1, isoform CRA_a	7	NOT IN CONTROL IP
SREBP1 Band A	Isoform 1 of Splicing factor 3B subunit 3	7	NOT IN CONTROL IP
SREBP1 Band A	Isoform 1 of Serum albumin	4	NOT IN CONTROL IP
SREBP1 Band A	FACT complex subunit SPT16	3	NOT IN CONTROL IP
SREBP1 Band A	Isoform RF1 of Retrotransposon-derived protein PEG10	3	NOT IN CONTROL IP
SREBP1 Band A	retrotransposon-derived protein PEG10 isoform 4	3	NOT IN CONTROL IP
SREBP1 Band A	Desmoplakin la	2	NOT IN CONTROL IP
SREBP1 Band A	Isoform DPI of Desmoplakin	2	NOT IN CONTROL IP
SREBP1 Band A	Isoform DPII of Desmoplakin	2	NOT IN CONTROL IP