

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:

UBF (F-9) is a mouse monoclonal antibody raised against amino acids 1-220 of UBF of human origin.
Genetic locus: UBTF (human) mapping to 17q21.3; Ubtf (mouse) mapping to 11D.

Target
Description:

Upstream binding factor (UBF) is a transcription factor required for expression of the 18S, 5.8S, and 28S ribosomal RNAs, along with SL1 (a complex of TBP (MIM 600075) and multiple TBP-associated factors or TAFs). Two UBF polypeptides, of 94 and 97 kD, exist in the human (Bell et al., 1988 (PubMed 3413483)). UBF is a nucleolar phosphoprotein with both DNA binding and transactivation domains. Sequence-specific DNA binding to the core and upstream control elements of the human rRNA promoter is mediated through several HMG boxes (Jantzen et al., 1990 (PubMed 2330041)). (supplied by OMM)

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

Immunoprecipitation of CH12 and MEL nuclear extracts using anti-UBF (sc-13125) efficiently enriches a protein of molecular weight of UBF (~97 kD).

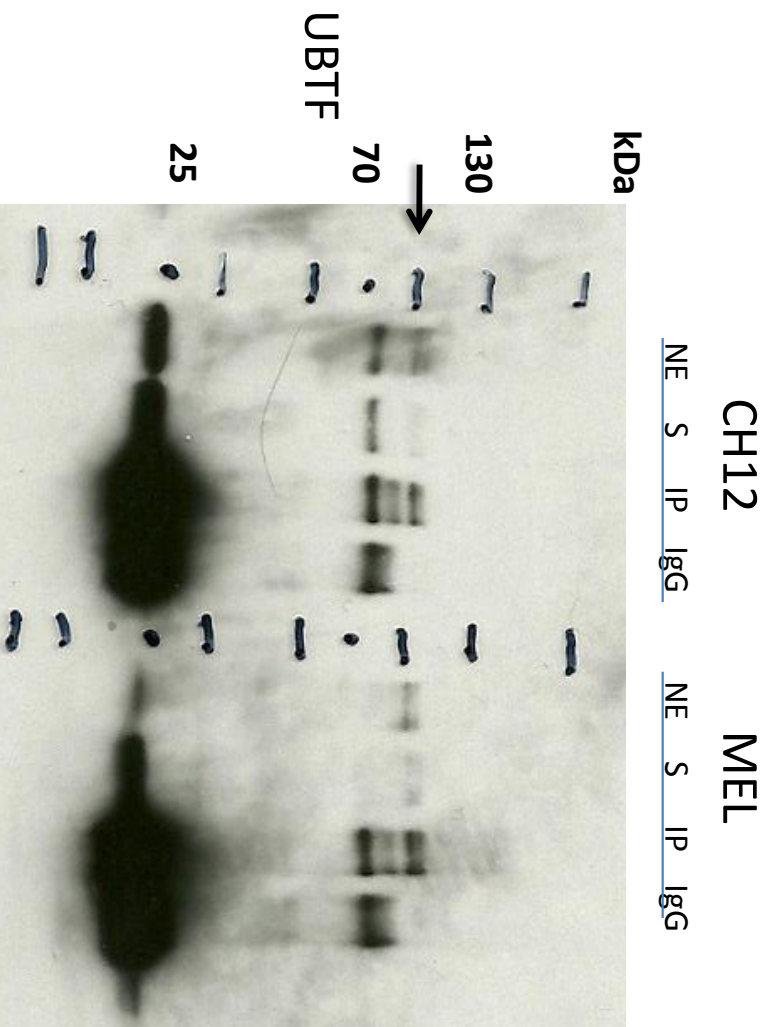
Validation #1
Analysis

Insert Validation Image (click here)

Antibody: UBTF Source: Santa Cruz Biotech sc-13125

Epitope: UBTF Antibody is a mouse monoclonal IgG₁, epitope sequence against amino acids 1-220 of UBTF of human origin

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



Arrow indicates immunoprecipitated band of expected size of UBTF in both CH12 and MEL cell lines (~97 kDa).

NE: nuclear extract

S: supernatant after IP

IP: IP with tested antibody

IgG: IP with control IgG

sc-13125 is validated for human cell lines using comparison of CHIP-Seq data obtained using two different antibodies against UBF. See validation documents for human cell lines for details.

Validation #2
Analysis

Insert Validation Image (Click here)

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