### Antibody Validation Document

**Date of Submission:** 9/14/12

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**Antibody Name:** UBF (F-9) Antibody: sc-13125  
**Target:** UBTF

**Company/Source:** Santa Cruz Biotechnology Inc.

**Catalog Number, database ID, laboratory:** sc-13125  
**Lot Number:** B1804

**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 11 D.

**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-TBP complex (TBP with TBP-associated factors or 'TAFs') and multiple TBP-associated factors. Two UBF polypeptides, of 94 and 105 kD, exist in the human (Bell et al., 1988 (PubMed 2914024)). UBF is a nucleolar phosphoprotein with both RNA binding and transcriptional activation domains. Sequence-specific DNA binding to the core and upstream control elements of the human 18S rRNA promoter is mediated through several HMG boxes (Jantzen et al., 1990 (PubMed 2230044)).

**Species Target:** Mouse  
**Species Host:** Mouse

**Validation Method #1:** Immunoprecipitation  
**Validation Method #2:** ChIP

**Purification Method:** Other Purification Method  
**Purification Method:** Monoclonal


**Reference (PI/Publication Information):**

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


Antibody: UBTF. Antibody is a mouse monoclonal IgG, Epitope sequence against epitope of SC-13125. Source: Santa Cruz Biotech.
sc-13125 is validated for human cell lines using comparison of ChIP-Seq data obtained using two different antibodies against UBTF. See validation documents for human cell lines for details.