

ENCODE DCC ANTIBODY VALIDATION DOCUMENT

Date of Submission: 6/22/11

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Antibody Name: TFIIC-110

Target: TFIIC-110

Company/Source: Dr. Robert J. White, Beatson Institute for Cancer Research, UK
antibody number 4286

Catalog number or laboratory database ID: antibody number 4286

Lot Number: N/A

Antibody Description: Antiserum 4286 was raised by immunizing rabbits with synthetic peptide RPGFSPTSHRLLPTP (human TFIIC110 residues 897 to 911) coupled to keyhole limpet hemocyanin.

Target Description: TFIIC-110 is a subunit of the RNA Polymerase III transcription factor TFIIC.

Target Species: Human

Host Species: Rabbit

Validation Method 1: IP-Mass Spec

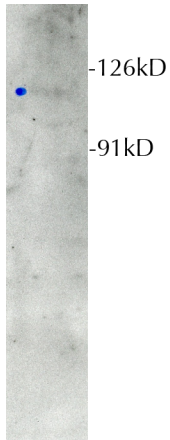
Validation Method 2: Correlation of binding sites with other known members of complex

Purification Method:

Polyclonal/Monoclonal: Polyclonal

Reference: Sutcliffe, J.E., Brown, T.R., Allison, S.J., Scott, P.H. & White, R.J. Retinoblastoma protein disrupts interactions required for RNA polymerase III transcription. *Mol. Cell. Biol.* 20, 9192-9202 (2000).

Validation 1: Single band of expected size on Western blot.



Validation 2: ChIP peaks were detected at expected targets (tRNA genes) and coincided with the presence of other components of the Pol III transcription apparatus. Peaks were coincident with the B-box sequence motif known to be recognized by TFIIC.

