

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:

Zinc finger with KRAB and SCAN domain-containing protein 1 recombinant protein epitope signature tag (PIEST)

Target
Description:

The ZKSCAN1 gene encodes a transcriptional regulator of the KRAB (Kruppel-associated box) subfamily of zinc finger proteins, which contain repeated Cys2-His2 (C2H2) zinc finger domains that are connected by conserved sequences, called ETC links (summarized by Tommerup and Vissing, 1995 (PubMed 7557990)). Transcriptional regulatory proteins containing tandemly repeated zinc finger domains are thought to be involved in both normal and abnormal cellular proliferation and differentiation. See ZNF91 (MIM 603971) for general information on zinc finger proteins. (supplied by OMIM)

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-ZKSCAN1 antibody (IP: Ab72) efficiently enriched a single band of the expected molecular weight of ZKSCAN1 (~60 kD).

Validation #1
Analysis

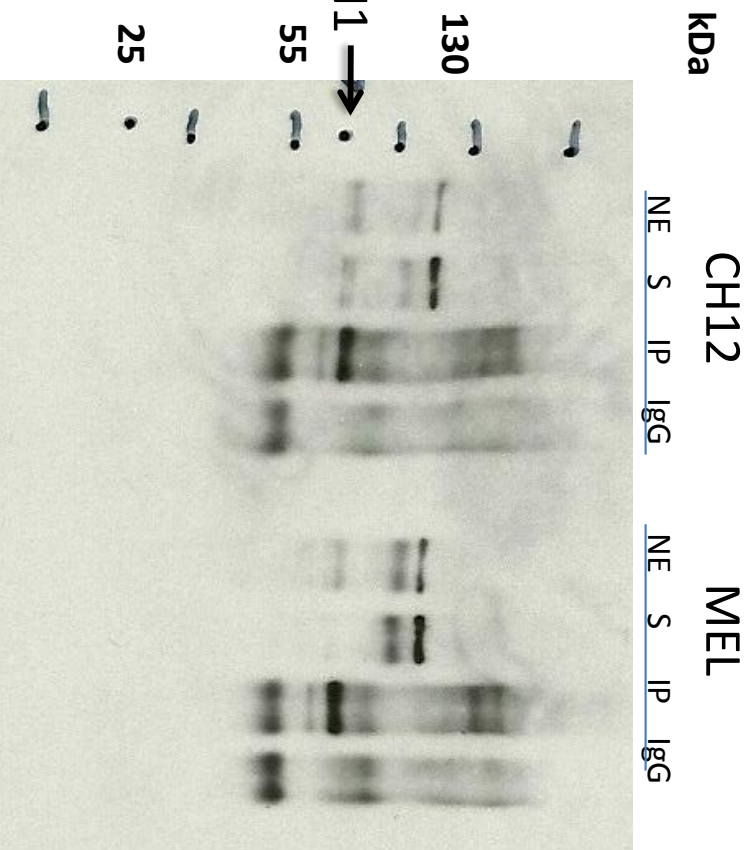
Insert Validation Image (click here)

Antibody: ZKSCAN1 Source: Sigma-Aldrich HPA006672

Epitope: ZKSCAN1 antibody (H-75) is a rabbit polyclonal IgG, epitope sequence is from human ZKSCAN1:

NLARRNLSRDNRQENYGSAFPQGGENRNENEESTSKAETSEDSASRGETTGRSQKEFGE
KRDQEGKTGEROQKNPEEKTRKEKRDSGPAIGKDKTITGERGPREKGKGLGRSFLSSNF
TTPEEVPTGTSKSHRCDECGKCFTR

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



Arrow indicates immunoprecipitated band of expected size of ZKSCAN1 in both CH12 and MEL cell lines (~60 kDa).

NE: nuclear extract

S: supernatant after IP

IP: IP with tested antibody

IgG: IP with control IgG

HPA006672 has been validated for human cell lines using IP-Mass Spec. See validation documents submitted for human cell lines for details.

Validation #2
Analysis

Insert Validation Image (Click here)

Submit by Email