

# TCEA3 (G-17): sc-55779

## BACKGROUND

TCEA3 (transcription elongation factor A (SII) protein 3), also known as TFIS.h, is a member of the TFS-II family. Transcription elongation factors of the TFS-II family are responsible for releasing RNA polymerase II (Pol II) from transcriptional arrest. DNA arresting sites can result in locked ternary complexes if elongating RNA polymerases are trapped. Transcription elongation factors function to activate the intrinsic RNA cleavage activity of RNA polymerases. This allows the RNA polymerase to cleave the nascent transcript, thereby forming a new 3'-terminus to resume elongation. TCEA3 is a 348 amino acid protein and it contains one TFIS N-terminal domain, one TFIS central domain and one TFIS-type zinc finger. TCEA3 localizes to the nucleus and binds to Pol II, functioning to assist its transcription elongation past arresting sites.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: TCEA3 (human) mapping to 1p36.12; Tcea3 (mouse) mapping to 4 D3.

## SOURCE

TCEA3 (G-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TCEA3 of human origin.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-55779 X, 200  $\mu$ g/0.1 ml.

Blocking peptide available for competition studies, sc-55779 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TCEA3 (G-17) is recommended for detection of TCEA3 of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

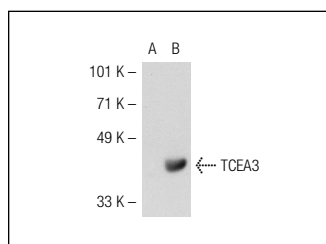
Suitable for use as control antibody for TCEA3 siRNA (h): sc-63111, TCEA3 siRNA (m): sc-63112, TCEA3 shRNA Plasmid (h): sc-63111-SH, TCEA3 shRNA Plasmid (m): sc-63112-SH, TCEA3 shRNA (h) Lentiviral Particles: sc-63111-V and TCEA3 shRNA (m) Lentiviral Particles: sc-63112-V.

TCEA3 (G-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of TCEA3: 39 kDa.

Positive Controls: TCEA3 (m): 293T Lysate: sc-126083.

## DATA



TCEA3 (G-17): sc-55779. Western blot analysis of TCEA3 expression in non-transfected: sc-117752 (A) and mouse TCEA3 transfected: sc-126083 (B) 293T whole cell lysates.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.


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Try **TCEA3 (E-7): sc-398464** or **TCEA3 (C-7): sc-365894**, our highly recommended monoclonal alternatives to TCEA3 (G-17).