

# Josephin-3 (E-17): sc-161752

## BACKGROUND

Josephin-3 (TATA box-binding protein-associated factor RNA polymerase I subunit D) is a 278 amino acid transcription factor encoded by the human TAF1D gene. The TAF1D gene product is a major component of a TBP and TAFs (TATA box-binding protein-associated factors) complex known as SL1. This SL1 complex is important for the assembly of the preinitiation complex required for RNA polymerase I-dependent transcription. The SL1/TIF-IB complex has been shown to stabilize the nucleolar transcription factor 1/UBTF on rDNA. Impaired function of the SL1 complex leads to reduced levels of Pol I transcription. The TAF1D gene product has been shown to be involved in cell cycle progression and exhibits G<sub>2</sub>/M phase specific phosphorylations. The TAF1D gene product is expressed in most tissues and is localized to the nucleus.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: TAF1D (human) mapping to 11q21.

## RESEARCH USE

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

## SOURCE

Josephin-3 (E-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Josephin-3 of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-161752 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

Josephin-3 (E-17) is recommended for detection of Josephin-3 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with Josephin-1 or Josephin-2.

Suitable for use as control antibody for Josephin-3 siRNA (h): sc-96913, Josephin-3 shRNA Plasmid (h): sc-96913-SH and Josephin-3 shRNA (h) Lentiviral Particles: sc-96913-V.

Molecular Weight of Josephin-3: 32 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.