SANTA CRUZ BIOTECHNOLOGY, INC.

TAF7L (S-24): sc-134053

BACKGROUND

In eukaryotic systems, initiation of transcription from protein-coding genes is a complex process requiring RNA polymerase II and broad families of auxiliary transcription factors. One class of these factors is TFIID (transcription factor II D), a multimeric protein complex that mediates promoter responses to various activators and repressors. TAF7L (transcription initiation factor TFIID subunit 7-like), also known as transcription initiation factor TFIID 50 kDa subunit and RNA polymerase II TBP-associated factor subunit Q, is a 462 amino acid testis-specific protein that is a component of TFIID. TAF7L replaces TAF7 in the spermatogenesis-specific form of TFIID, where is interacts with TAF1 and TATA-binding protein. In spermatogonia and early spermatocytes TAF7L is located within the cytoplasm, though it is localized to the nucleus in spermatocytes and round spermatids. There are three isoforms of TAF7L that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Taf7l (mouse) mapping to X E3.

SOURCE

TAF7L (S-24) is a Protein A purified rabbit polyclonal antibody raised against synthetic TAF7L peptide of mouse 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 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

TAF7L (S-24) is recommended for detection of TAF7L of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TAF7L siRNA (m): sc-154054, TAF7L shRNA Plasmid (m): sc-154054-SH and TAF7L shRNA (m) Lentiviral Particles: sc-154054-V.

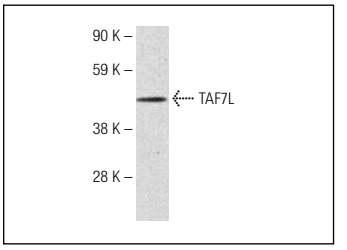
Molecular Weight of TAF7L: 53 kDa.

Positive Controls: SP2/0 whole cell lysate.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



TAF7L (S-24): sc-134053. Western blot analysis of TAF7L expression in SP2/0 whole cell lysate.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.