

TAF7L (K-12): sc-169514

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 it 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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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: TAF7L (human) mapping to Xq22.1.

SOURCE

TAF7L (K-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TAF7L 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-169514 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TAF7L (K-12) is recommended for detection of TAF7L 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 other TAF family members.

Suitable for use as control antibody for TAF7L siRNA (h): sc-90911, TAF7L shRNA Plasmid (h): sc-90911-SH and TAF7L shRNA (h) Lentiviral Particles: sc-90911-V.

Molecular Weight of TAF7L: 53 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.

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.