

T3JAM (Q-24): sc-134049

BACKGROUND

T3JAM (TRAF3 interacting protein 3), also known as TRAF3-interacting JNK-activating modulator or TRAF3IP3, is a 551 amino acid single-pass type IV membrane protein that acts as an adaptor molecule and stimulates cell growth by modulating the c-Jun N-terminal kinase (JNK) pathway in conjunction with TRAF3. Expressed in thymus, bone marrow and spleen, T3JAM binds the isoleucine zipper of TRAF3 with its coiled-coil domain. T3JAM has been found to associate specifically with TRAF3 but not with other TRAF family members. As a result of alternative splicing events, three T3JAM isoforms exist. The gene encoding T3JAM maps to human chromosome 1, which spans about 260 million base pairs and comprises nearly 8% of the human genome. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRAF3IP3 (human) mapping to 1q32.2; Traf3ip3 (mouse) mapping to 1 H6.

SOURCE

T3JAM (Q-24) is an affinity purified rabbit polyclonal antibody raised against synthetic T3JAM peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

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

APPLICATIONS

T3JAM (Q-24) is recommended for detection of T3JAM of mouse and human 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 T3JAM siRNA (h): sc-78894, T3JAM siRNA (m): sc-154028, T3JAM shRNA Plasmid (h): sc-78894-SH, T3JAM shRNA Plasmid (m): sc-154028-SH, T3JAM shRNA (h) Lentiviral Particles: sc-78894-V and T3JAM shRNA (m) Lentiviral Particles: sc-154028-V.

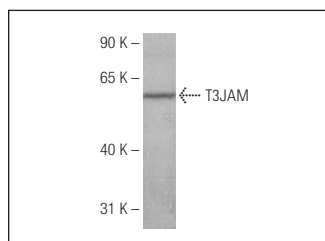
Molecular Weight of T3JAM: 64 kDa.

Positive Controls: 721 B 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



T3JAM (Q-24): sc-134049. Western blot analysis of T3JAM expression in 721B 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.