

T3JAM (E-13): sc-160099

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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3. Ma, X., Wang, X., Gao, X., Wang, L., Lu, Y., Gao, P., Deng, W., Yu, P., Ma, J., Guo, J., Cheng, H., Zhang, C., Shi, T. and Ma, D. 2007. Identification of five human novel genes associated with cell proliferation by cell-based screening from an expressed cDNA ORF library. *Life Sci.* 81: 1141-1151.
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CHROMOSOMAL LOCATION

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

SOURCE

T3JAM (E-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of T3JAM 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-160099 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

T3JAM (E-13) is recommended for detection of T3JAM isoforms 1-3 of mouse, rat 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)], 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 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.

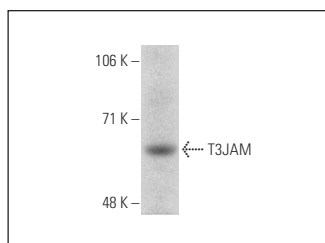
Molecular Weight of T3JAM: 64 kDa.

Positive Controls: HEL 92.1.7 cell lysate: sc-2270.

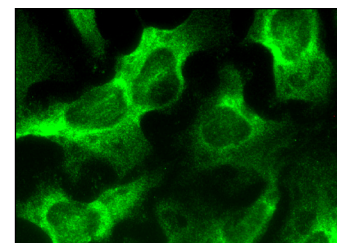
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



T3JAM (E-13): sc-160099. Western blot analysis of T3JAM expression in HeL92.1.7 whole cell lysate.



T3JAM (E-13): sc-160099. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

STORAGE

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

MONOS
Satisfaction
Guaranteed

Try **T3JAM (B-7): sc-398781** or **T3JAM (H-2): sc-398895**, our highly recommended monoclonal alternatives to T3JAM (E-13).