Gene Section
Short Communication

TFG (TRK-fused gene)
Masanori Hisaoka, Hiroshi Hashimoto
Department of Pathology & Oncology, School of Medicine, University of Occupational & Environmental Health, Japan (MH, HH)

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Identity
Other names: TF6
HGNC (Hugo): TFG
Location: 3q11-q12

Protein
Description
400-amino acid protein with a putative N-terminal coiled-coil structure and an SPYGQ-rich region similar to N-terminal parts of EWSR1 and FUS.

Expression
Ubiquitously expressed.

Localisation
Not examined (TFG-ALK fusion protein is localized in cytoplasm).

Function
Unknown.

Homology
Homologous to murine Tfg.

Implicated in
Anaplastic large cell lymphoma
Cytogenetics
t(2;3)(p23;q21).
Hybrid/Mutated gene
TFG-ALK.
Abnormal protein
TFG-ALK(S)(85 kD), TFG-ALK(L)(97 kD), TFG-ALK(XL)(113 kD).

Thyroid papillary carcinoma
Cytogenetics
t(1;3)(q21;q11).
Hybrid/Mutated gene
TFG-NTRK1.

DNA/RNA
Description
39.51 kbp.

Transcription
8 exons; 1948 bp mRNA.

Pseudogene
one (NB5M_HUMAN.Human.2.v2.chr1C.mbl.220)
Abnormal protein
TFG-NTRK1.

Extraskeletal myxoid chondrosarcoma
Hybrid/Mutated gene
TFG-NR4A3.

Breakpoints

References


This article should be referenced as such: