

## t(4;16)(q26;p13)

### Clinics and Pathology

**Disease** T-cell lymphoma of the small intestine of low grade malignancy

Phenotype /  
cell stem origin CD3, CD4, TCR A-B phenotype

Epidemiology only 1 case to date, a 28 yr old male patient

### Cytogenetics

Cytogenetics Morphological sole anomaly

### Genes involved and Proteins

**Gene Name** IL2

Location 4q26

Dna / Rna 6 exons

Protein Role in mediation of the immune system; member of the IL2 family of cytokines; binds to and signals through a receptor complex consisting of IL2Ralpha, IL2Rbeta, and gamma chain; T-cell growth factor

**Gene Name** TNFRSF17

Location 16p13.1

Dna / Rna 3 exons

Protein Role in mediation of the immune system; member of the TNF-receptor superfamily; binds to TNFSF13B/BAFF/BLys and TNFSF13/APRIL; promotes B-cell survival

### Result of the chromosomal anomaly

**Hybrid gene** 5' IL2-3'TNFRSF17; breakpoint in intron 3 of IL2  
Description

### External links

Other database [t\(4;16\)\(q26;p13\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(4;16\)\(q26;p13\)](#) [CancerChromosomes \(NCBI\)](#)

### To be noted

Additional cases are needed to delineate the epidemiology of this rare entity:

**you are welcome to submit a paper to our new [Case Report section](#).**

### Bibliography

**A new gene, BCM, on chromosome 16 is fused to the interleukin 2 gene by a t(4;16)(q26;p13) translocation in a malignant T cell lymphoma.**

Laabi Y, Gras MP, Carbonnel F, Brouet JC, Berger R, Larsen CJ, Tsapis A. EMBO J. 1992; 11: 3897-3904.

Medline [1396583](#)

**Extensive small intestinal T-cell lymphoma of low-grade malignancy associated with a new chromosomal translocation.**

Carbonnel F, Lavergne A, Messing B, Tsapis A, Berger R, Galian A, Nemeth J, Brouet JC, Rambaud JC.

Cancer 1994; 73: 1286-1291.

Medline [8313332](#)

### Contributor(s)

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