

t(12;14)(p13;q32)

Clinics and Pathology

Disease Acute lymphoblastic leukemia

Phenotype /
cell stem origin pre B ALL

Epidemiology only one case to date; no age nor gender data

Prognosis no data

Cytogenetics

Cytogenetics Cryptic translocation; recognized by multicolor FISH plus locus-specific
Molecular FISH

Additional anomalies Hyperploidy (57 chromosomes)

Genes involved and Proteins

Gene Name [ETV6](#)

Location 12p13

Protein 53 and 57 kDa; contains, from N-term to C- term, an helix -loop-helix (HLH) domain (or "sterile alpha domain" SAM) responsible ofr dimerization, and a sequence specific DNA-binding domain (ETS domain); binds to 5' CCGGAAGT 3'; ETV6 is a member of the ETS family of transcription factors; transcriptional repressor

Gene Name [IGH](#)

Location 14q32

External links

Other database [t\(12;14\)\(p13;q32\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(12;14\)\(p13;q32\)](#) [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

The utility of spectral karyotyping in the cytogenetic analysis of newly diagnosed pediatric acute lymphoblastic leukemia.

Lu XY, Harris CP, Cooley L, Margolin J, Steuber PC, Sheldon M, Rao PH, Lau CC. Leukemia. 2002; 16: 2222-2227.

Medline [12399965](#)

Contributor(s)

Written 08-2005 Jean Loup Huret

Citation

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