

t(3;12)(q26;q21)

Clinics and Pathology

Disease Treatment related acute myeloid leukaemia (t-AML)
Epidemiology Only one case to date, a 47 year old male patient
Prognosis No data

Cytogenetics

Cytogenetics
Morphological Sole anomaly

Genes involved and Proteins

Note The partner of EVI1 is yet unknown.

Gene Name [EVI1](#)

Location 3q26.2

Protein Transcription factor; EVI1 targets include:GATA2, [ZBTB16 /PLZF](#), ZFPM2/FOG2, [JNK](#) and the PI3K/AKT pathway. Role in cell cycle progression, likely to be cell-type dependant; antiapoptotic factor; involved in neuronal development organogenesis; role in hematopoietic differnsiation

External links

Other database [t\(3;12\)\(q26;q21\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(3;12\)\(q26;q21\)](#) [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

EVI1 is consistently expressed as principal transcript in common and rare recurrent 3q26 rearrangements.

Poppe B, Dastugue N, Vandesompele J, Cauwelier B, De Smet B, Yigit N, De Paepe A, Cervera J, Recher C, De Mas V, Hagemeijer A, Speleman F.
Genes Chromosomes Cancer. 2006; 45: 349-356.
Medline [16342172](#)

The oncogene and developmental regulator EVI1: expression, biochemical properties, and biological functions.

Wieser R.
Gene. 2007 Jul 15;396(2):346-57.
Medline [17507183](#)

Contributor(s)

Written 05-2007 Jean-Loup Huret
Genetics, Dept Medical Information, University of Poitiers; CHU Poitiers
Hospital, F-86021 Poitiers, France

Citation

This paper should be referenced as such :

Huret JL . t(3;12)(q26;q21). Atlas Genet Cytogenet Oncol Haematol. May 2007 .
URL : <http://AtlasGeneticsOncology.org/Anomalies/t0312q26q21ID1280.html>