Leukaemia Section
Short Communication

t(3;9)(q26;p23)
Jean-Loup Huret

Genetics, Dept Medical Information, University of Poitiers, CHU Poitiers Hospital, F-86021 Poitiers, France

Published in Atlas Database: July 2007
Online updated version: http://AtlasGeneticsOncology.org/Anomalies/t0309q26p23ID1279.html
DOI: 10.4267/2042/38531

This work is licensed under a Creative Commons Attribution-Non-commercial-No Derivative Works 2.0 France Licence.
© 2008 Atlas of Genetics and Cytogenetics in Oncology and Haematology

Clinics and pathology

Disease
T-cell non Hodgkin lymphoma (T-cell NHL).
Note: This is one of the very rare cases of EVI1 involvement in lymphoid malignancies.

Epidemiology
Only one case to date, a 11-year-old boy.

Prognosis
No data.

Cytogenetics

Cytogenetics morphological
Sole anomaly.

Genes involved and Proteins

Note: The partner of EVI1 is yet unknown.

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 differentiation.

References


This article should be referenced as such: