

Gene Section

Short Communication

AF3p21 (ALL1 fused gene from chromosome 3p21)

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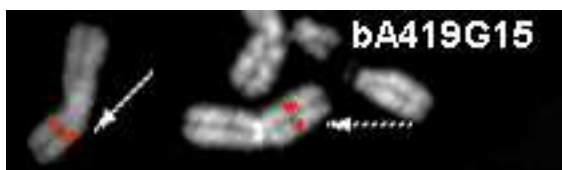
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Identity

HGNC (Hugo): NCKIPSD

Location: 3p21



Probe(s) - Courtesy Mariano Rocchi, Resources for Molecular Cytogenetics.

DNA/RNA

Description

2990 bp cDNA.

Protein

Description

722 amino acids; N-term SH3 domain, proline-rich domain, and a nuclear localization signal in C-term.

Expression

Wide.

Implicated in

t(3;11)(p21;q23) --> AF3p21-MLL

Disease

Treatment related acute non lymphoblastic leukemia (t-ANLL).

Hybrid/Mutated gene

5 prime MLL - 3 prime AF3q21.

Abnormal protein

AT hooks and methyltransferase domains of MLL in the N-term fused to the proline-rich domain and nuclear localization signal of AF3p21.

References

Sano K, Hayakawa A, Jin-Hua P. A novel sh3 protein encoded by the AF3p21 gene is fused to MLL in a therapy-related leukemia with t(3; 11)(p21;q23). Blood 1999;94 Suppl 1:Abst 221

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