

## NPM1 gene mutation

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(Real Time PCR)

### Note:

1. This test detects A, B, D types of NPM1 mutations
2. This is an in-house developed assay
3. Test conducted on Whole blood / Bone Marrow

### Comments

Evaluation of NPM1 is recommended in cases of cytogenetically normal AML as detection of these mutations in the absence of a FLT3 mutation confers a good prognosis and thus NPM1 mutations should always be interpreted with results of FLT3 mutations. NPM1 mutations are class II mutations which impair hematopoietic differentiation and subsequent apoptosis. They do not occur in combination with the recurrent cytogenetic abnormalities in AML and may represent a biologically distinct entity. More than 10 types of NPM mutations have been reported; types A, B, D together constitute >95% of the mutations.

### Uses

- For prognostic evaluation of AML