

Patient ID SA00150498	Patient Name TESTINGRNV, TFE3F-POSITIVE	Birth Date 1989-02-08	Gender M	Age 32
Order Number SA00150498	Client Order Number SA00150498	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Feb 2022 11:18		

TFE3 (Xp11.23), FISH, Ts

Result Summary

Positive

Interpretation

The result is abnormal and indicates a rearrangement involving the TFE3 gene region. Rearrangement of the TFE3 gene has been observed in alveolar soft part sarcoma and Xp11.2 translocation-associated renal cell carcinoma (Joyama et al., Cancer 86(7):1246–1250, 1999; Ladanyi et al., Oncogene 20:48–57, 2001; Zhong et al., Am J Surg Pathol 34(6):757–766, 2010).

Clinical and pathologic correlation is recommended.

Result

nuc ish(TFE3x1,DXZ1x1)(3'TFE3 sep 5'TFE3x1)[90/100]

Of 100 nuclei, 90% had separation of the 3'TFE3 and 5'TFE3 signals with 1 DXZ1 signal. The normal cutoff is <20% for one 3'TFE3 and one 5'TFE3 with 1 DXZ1 signal.

Reason For Referral

r/o TFE3 gene rearrangement

Specimen

Tissue, Paraffin, Formalin

Source

left kidney

Tissue ID

BR-12345

Method

Locus and probes	[Strategy;#Nuclei;Class]
Xp11.23(3'TFE3,5'TFE3), XCEN(DXZ1)	[BAP;100;LDT,ASR]

Probe strategy includes: BAP=break-apart probe.

Scoring Method: Manual

Disclaimer

Analyte Specific Reagent (ASR) and Laboratory Developed Tests (LDT). This test was developed using an analyte specific reagent. Its performance characteristics were determined by Mayo Clinic in a manner consistent with CLIA requirements. This test is intended to be used as an adjunct to existing clinical and pathologic information currently used for the differential diagnosis of alveolar soft part sarcoma or Xp11.2 translocation-associated renal cell carcinoma. It has not been cleared or approved by the U.S. Food and Drug Administration. This FISH test does not rule out other chromosome abnormalities.

Released By

Patricia T. Greipp, D.O.

Received: 02 Feb 2022 11:19

Reported: 02 Mar 2022 10:43

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292