MAYO CLINIC LABORATORIES

1-800-533-1710

PRKAF

Fibrolamellar Carcinoma, 19p13.1 (PRKACA) Rearrangement, FISH, Tissue

Patient ID	Patient Name		Birth Date	Gender	Age
SA00150475	TESTINGRNV, PRKAF-POSITIVE		1994-12-15	M	27
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00150475	SA00150475	CLIENT,CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		01 Feb 2022 07:10			

PRKACA, Rearrangement, FISH, Ts

Result Summary MCR

Positive

Interpretation MCR

The result is abnormal and indicates a rearrangement involving the PRKACA gene region (at 19p13.2) with loss of the 5'PRKACA probe and retention of the 3'PRKACA probe. This signal pattern has been correlated with a DNAJB1-PRKACA fusion event which is classically associated with fibrolamellar carcinoma (Graham et al., Mod Path 28:822–829, 2015).

Clinical and pathologic correlation is recommended.

Result MCR

nuc ish(3'PRKACAx2,5'PRKACAx1)(3'PRKACA con 5'PRKACAx1)[100]

Abnormality	Cutoff(%)
19p13.1(PRKACA sep)	<5.0

Reason for Referral MCR

r/o PRKACA gene rearrangement

Specimen MCR

Tissue, Paraffin, Formalin

Source MCR

Liver

Tissue ID MCR

BR-12345

Method MCR

Locus and Probes	[Strategy;#Nuclei;Class]
19p13.1(3'PRKACA,5'PRKACA)	[BAP;100;LDT]

Probe Strategy: BAP=break apart probe.
Scoring Method: Manual

Disclaimer MCR

Laboratory Developed Test (LDT). This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test 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 MCR

Patricia T. Greipp, D.O.

Received: 02 Feb 2022 07:11 **Reported:** 02 Mar 2022 10:17

Performing Site Legend

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