MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,BRAF	SA00045525	45	F	SA00045525
Ordering Phys				**DOB** 06/10/1966
Client Order # SA00045525	**Account Information**			**Report Notes**
Collected 04/29/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 07/17/2012 17:43				

Test	Flag	Results	Unit	Reference Value	Perform Site*
BRAF Mutation Analysis(V600E),Tumor			REPORTED 07/13/2012 09:52		
Specimen		Tissue-Tumor			MCR
Specimen ID		1038131			MCR
Order Date		08 May 2012 07:42			MCR
Reason For Referral					MCR
Tumor demonstrates loss of MLH1 protein expression. Determine the likelihood of a germline MLH1 mutation versus the somatic/epigenetic inactivation of MLH1.					
Method					MCR
A PCR-based assay is used to test tumor DNA for the presence of the V600E (Val600Glu) mutation within the BRAF gene.					
Results					MCR
The BRAF V600E mutation was detected.					
Interpretation					MCR
The BRAF V600E mutation is detected in approximately 70% of patients whose tumors demonstrate loss of MLH1 due to promoter hypermethylation, but is rarely detected in patients with a germline MLH1 gene mutation. Thus, a germline mutation in the MLH1 gene is very unlikely for this patient.					
A genetic consultation may be of benefit.					
CAUTIONS: Test results should be interpreted in context of clinical findings, family history, and other laboratory data. If results obtained do not match other clinical or laboratory findings, please contact the laboratory for possible interpretation. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.					
Laboratory developed test.					
Consultant					MCR
Melody Elizabeth Kimball					
Report Date		13 Jul 2012 09:49			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,BRAF	04/29/2012	Final
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* Report times for Mayo performed tests are CST/CDT

TEST SITE