Test Information
Test performed at NeoGenomics California, 31 Columbia, Aliso Viejo, CA 92656

Patient Report
Patient's report continues on following page(s).
Molecular Genetics
NTRK NGS Fusion Panel

Client: ARUP Laboratories
500 Chipeta Way
Salt Lake City, UT 84108-1221
Phone: (800) 240-2787
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Ordering Physician(s):

Treatment Physician(s):

Accession / Case #:

Collection Date: 12/02/2022 09:39:00 AM
Received Date: 12/02/2022 02:17:14 PM EST
Report Date: 12/02/2022 02:24:21 PM EST

Results:

<table>
<thead>
<tr>
<th>Fusion</th>
<th>Results</th>
<th>Fusion Partner</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTRK1</td>
<td>Detected</td>
<td>Detected</td>
</tr>
<tr>
<td>NTRK2</td>
<td>Detected</td>
<td>Detected</td>
</tr>
<tr>
<td>NTRK3</td>
<td>Detected</td>
<td>Detected</td>
</tr>
</tbody>
</table>

Clinical Significance:
Rearrangements of the genes tested and fusions with partner genes, leading to gene activation and overexpression, have been observed in a variety of cancers. Such fusions may be targetable with selective kinase inhibitors.

Methodology:
Total nucleic acid was extracted from formalin-fixed paraffin-embedded (FFPE) tissue. The NTRK NGS Fusion Panel uses hybridization capture-based targeted next-generation RNA sequencing for detection of fusions involving select exons of the following genes: NTRK1, NTRK2, and NTRK3. Sensitivity may be reduced for detection of fusions with a non-targeted translocation partner and detection of fusions with low expression. Certain isoforms of a given translocation may not be detected. Fusions involving regions with high homology to several regions, including DUX4L1, SUZ12P1 and SSX4 genes, may not be detected.

References:

Electronic Signature

The Accessing Component, Technical Component Processing, Analysis and Professional Component of this test was completed at NeoGenomics HQ, 9190 NeoGenomics Way, Fort Myers, FL 33912. 866-776-5907 / CLIA #12-00702 / Medical Director: Anish Kothari, M.D. The performance characteristics of this test have been determined by NeoGenomics Laboratories. This test has not been approved by the FDA. The FDA has determined such clearance or approval is not necessary. This laboratory is CLIA certified to perform high complexity clinical testing.

Images that may be included within this report are representative of the patient but not of testing in its entirety and should not be used to render a result.
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