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**Lab Dept:** Anatomic Pathology

**Test Name:** TUBEROUS SCLEROSIS (TSC2) KNOWN MUTATION

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***General Information***

**Lab Order Codes:** TSC2K

**Synonyms:** TSC Familial Mutation Evaluation(Known Mutation Analysis)

**CPT Codes:** 81403 x1 – Known familial variant, not otherwise specified, for gene listed in Tier 1 or Tier 2, DNA sequence analysis, each variant exon

**Test Includes:** Detects a single sequence variation in TSC2 based on proband's mutation.

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***Logistics***

**Test Indications:** Any combination of seizures, developmental delay, skin lesions, cortical tubers and hamartomas in various parts of the body.

Family member testing to be used when the proband's mutation has been established by previous testing.

**Lab Testing Sections:** Anatomic Pathology - Sendouts

**Referred to:** University of Alabama Medical Genomics Laboratory (UAL test: KT2)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** Results within 10 working days

**Special Instructions:** A completed [requisition form](#) and informed consent with a phenotypic checklist must accompany each sample. For questions regarding the forms, please call 1-800-499-4363.

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***Specimen***

**Specimen Type:** Whole blood

**Container:** Lavender top (EDTA) tube

**Draw Volume:** 3 – 6 mL blood

<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Routine venipuncture for blood specimens, invert gently to mix
<b>Special Processing:</b>	Lab Staff: <b>Do Not</b> centrifuge. Specimen must remain in original collection container.  Mon-Thurs: Ship specimen ASAP, with proper forms, at ambient temperature via overnight courier. Fri-Sun: Store specimens refrigerated and ship on Monday or the next business day.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; frozen specimens

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### ***Interpretive***

<b>Reference Range:</b>	Interpretive report
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Sequence analysis
<b>References:</b>	<a href="#">University of Alabama Medical Genomics Laboratory</a> March 2018 (800) 499-4363 Fax (205) 996-2929
<b>Updates:</b>	2/11/2013: CPT update 3/5/2013: Test moved from Athena to Prevention Genetics 4/15/2014: Moved from Prevention Genetics to University of Alabama.