

# Understanding Your Positive *SMARCB1* Genetic Test Result

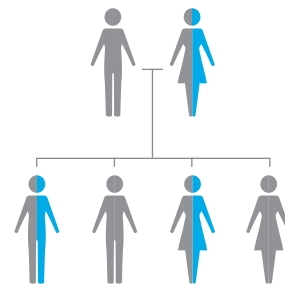
## INFORMATION FOR PATIENTS WITH A PATHOGENIC OR LIKELY PATHOGENIC VARIANT

### 5 Things To Know

1	Result	Your testing shows that you have a pathogenic or likely pathogenic variant in the <i>SMARCB1</i> gene.
2	Rhabdoid tumor predisposition syndrome type 1 (RTPS1) or <i>SMARCB1</i> -related schwannomatosis (SWN)	People with a pathogenic or likely pathogenic <i>SMARCB1</i> variant have rhabdoid tumor predisposition syndrome type 1 (RTPS1) or <i>SMARCB1</i> -related schwannomatosis (SWN).
3	Non-cancerous tumor and cancer risks	Some people with a pathogenic or likely pathogenic <i>SMARCB1</i> variant develop aggressive tumors in the brain or kidney called rhabdoid tumors. The risk for rhabdoid tumors is highest within the first two years of life. Some individuals may also be at increased risk for benign tumors called schwannomas, or meningiomas, both of which typically develop in adulthood. These risks are variable, so it is important to discuss your specific risks with your doctor.
4	What you can do	Risk management decisions are very personal. There are options to detect tumors early. It is important to discuss these options with your healthcare provider and decide on a plan that works for you.
5	Family	Family members may also be at risk – they can be tested for the pathogenic or likely pathogenic <i>SMARCB1</i> variant that was found in you. It is recommended that you share this information with your family members so they can learn more and discuss with their healthcare providers.

### *SMARCB1* in the Family

There is a 50/50 random chance to pass on a pathogenic or likely pathogenic *SMARCB1* variant to each of your children.



■ Has a pathogenic or likely pathogenic *SMARCB1* variant
 ■ No pathogenic or likely pathogenic *SMARCB1* variant

#### RESOURCES

- American Brain Tumor Association [abta.org](http://abta.org)
- American Cancer Society [cancer.org](http://cancer.org)
- National Society of Genetic Counselors [nsgc.org](http://nsgc.org)
- Canadian Society of Genetic Counsellors [cagc-accg.ca](http://cagc-accg.ca)

Please discuss this information with your healthcare provider. The cancer genetics field is continuously evolving, so updates related to your *SMARCB1* result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace a discussion with a healthcare provider, and should not be considered or interpreted as medical advice.