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(54) **Title**: IDENTIFICATION OF LKB1 MUTATION AS A PREDICTIVE BIOMARKER FOR SENSITIVITY TO TOR KINASE INHIBITORS

(57) **Abstract**: Provided herein are methods for treating and/or preventing a cancer or a tumor syndrome in a patient, comprising administering an effective amount of a TOR kinase inhibitor to a patient having cancer or a tumor syndrome, characterized by a LKB 1 and/or AMPK gene or protein loss or mutation.