

Total alpha-tubulin and total Tom20 protein levels are low in this line. Our semi-quantitative analysis indicates that AICS-0078 clone 79 has 37% and 26% of the total levels of alpha-tubulin and Tom20 protein, respectively, in unedited WTC-11 control cells. Our time-lapse imaging and cell growth assays indicate that these cells grow and divide as expected. Further, we cannot detect any abnormalities in microtubule organization or mitochondrial morphology. However, if you plan to use this line for an assay that you believe may be sensitive to low total protein levels of Tom20 and/or alpha-tubulin, you may wish to perform additional functional assays.