Inventory of Supplemental Information

Supplemental Figures:

Supplementary Figure 1: Identification of MAP4K4 as a potential MT-associated focal adhesion disassembly factor. *Related to Figure 1.*

Supplementary Figure 2: Deletion of *MAP4K4* inhibits cell motility *in vitro*. *Related to Figure 2.*

Supplementary Figure 3: FRAP analysis of WT and *MAP4K4* KO cells. *Related to Figure 3.*

Supplementary Figure 4: MT targeting to focal adhesions, Rho activity, and talin activation in keratinocytes. *Related to Figure 4.*

Supplementary Figure 5: EB2 knockdown and binding of EB2-cc-CT mutation with MTs. *Related to Figure 5.*

Supplementary Figure 6: Endocytosis of β1-integrin and Arf5 activity in WT and KO cells. *Related to Figure 6.*

Supplementary Figure 7: Knockdown expression of *Arf6* and *IQSEC1* in mouse keratinocytes. *Related to Figure 7.*

Supplemental Video:

Supplementary video 1: Focal adhesion dynamics in WT and KO keratinocytes. *Related to Figure 3.*

Supplementary video 2: Dynamic localization of EB2 cc-CT mutant. *Related to Figure 5.*

Supplemental Spreadsheet:

Supplementary table: Quantitative analysis of focal adhesion proteome upon nocodazole treatment by SILAC. *Related to Figure 1.*