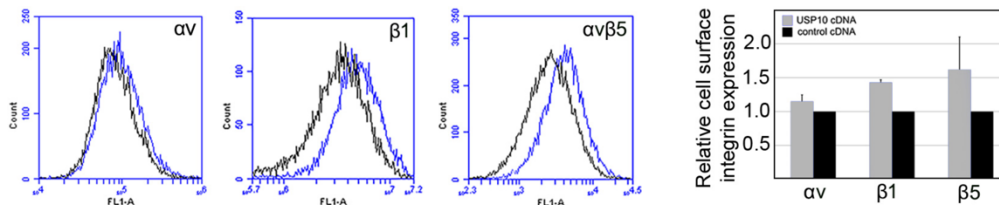


Supplemental Fig 1. HCFs were transfected with two unique USP10 siRNAs (Dharmacon), or control siRNA. After 48 hours, cells were lysed and Western blotted for USP10, integrins αv , $\beta 1$, $\beta 5$, and GAPDH. The results of the knockdown using the two USP10 siRNAs were averaged. USP10 was decreased (75.1% \pm 6.0%), αv (47.8% \pm 13.0%), $\beta 1$ (33.2% \pm 13.4%), and $\beta 5$ (33.2% \pm 4.2%). Representative blot is shown. N=3.



Supplemental Fig 2. Flow cytometry analysis of cell-surface integrin levels after USP10 overexpression. Flow cytometry for cell-surface integrin αv , $\beta 1$, and $\alpha v\beta 5$, (representative experiment shown), average increases- αv (1.15 \pm 0.09), $\beta 1$ (1.43 \pm 0.04) 1.62 fold \pm 0.48) N=3.

| | |
|-----------------------------|---|
| $\beta 1$ | HDRREFAKFEKEKMNAKWDGTGENPIYKSAVTTVVNPKYEGK |
| $\beta 3$ | HDRKEFAKFEERARAKWDTANNPLYKEATSTFTNITYRGT |
| $\beta 5$ | HDRREFAKFQSERSRARYEMASNPLYRKPISTHTVDFTFNKFNKSYNGTVD |

Supplemental Fig 3. The cytoplasmic tails of integrins $\beta 1$, $\beta 3$, and $\beta 5$. The lysines, which are potential sites for ubiquitination, are highlighted in blue.