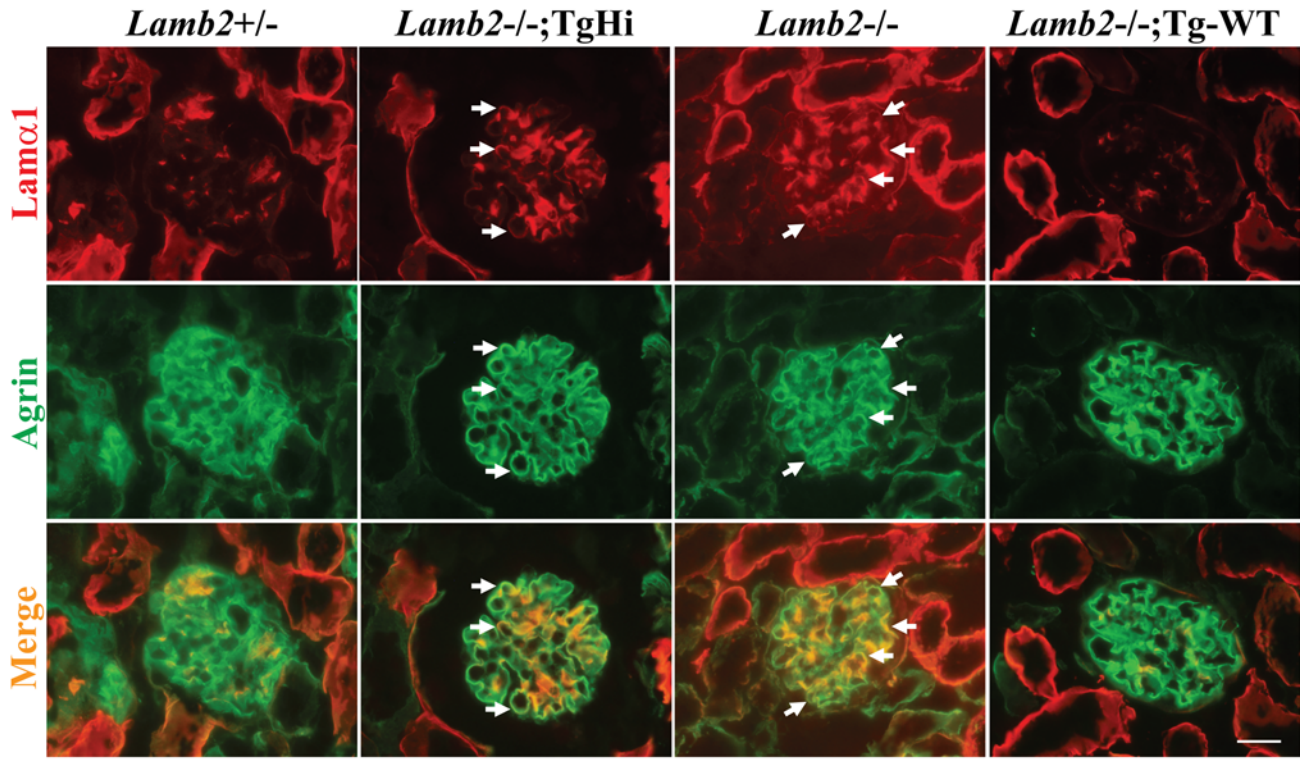
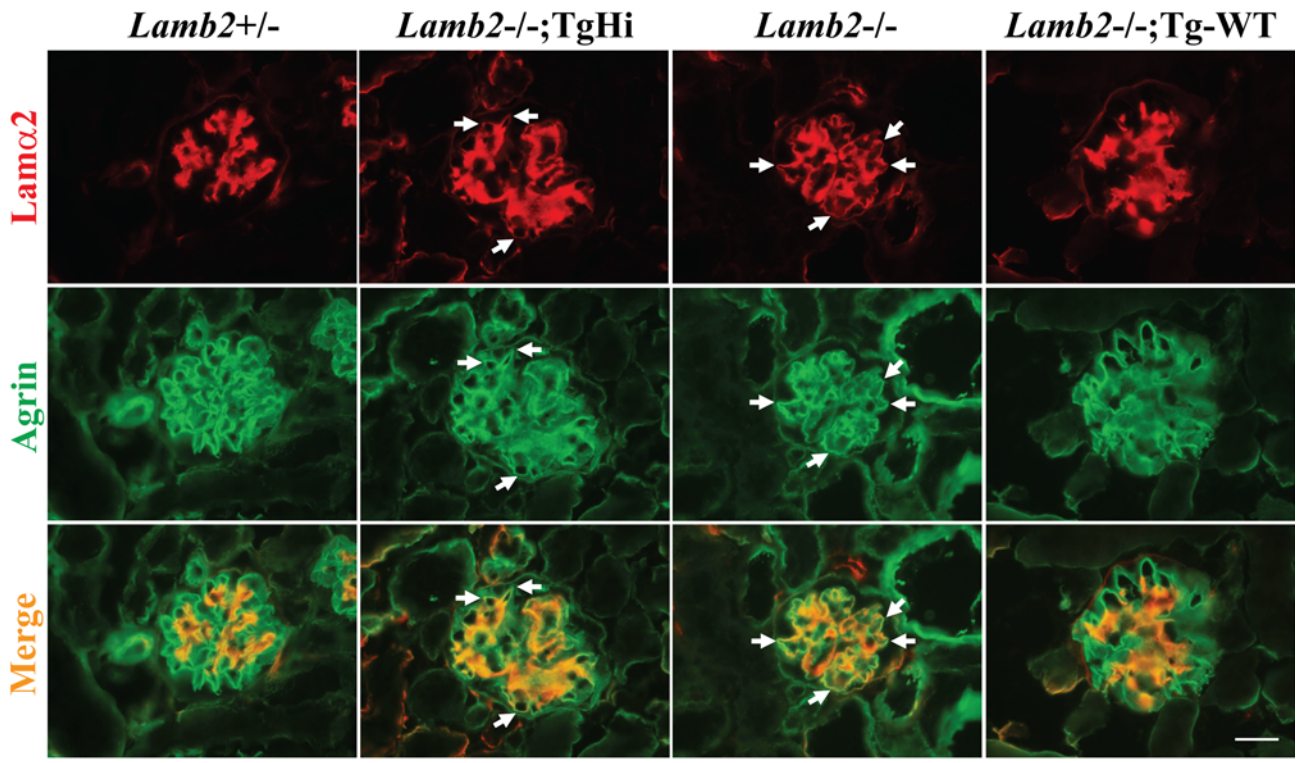
Supplemental Figure Legend:

Supplemental Figure 1: Decreased or absent LAMB2 in the GBM is accompanied by ectopic GBM accumulation of laminins α1, α2, and β1.

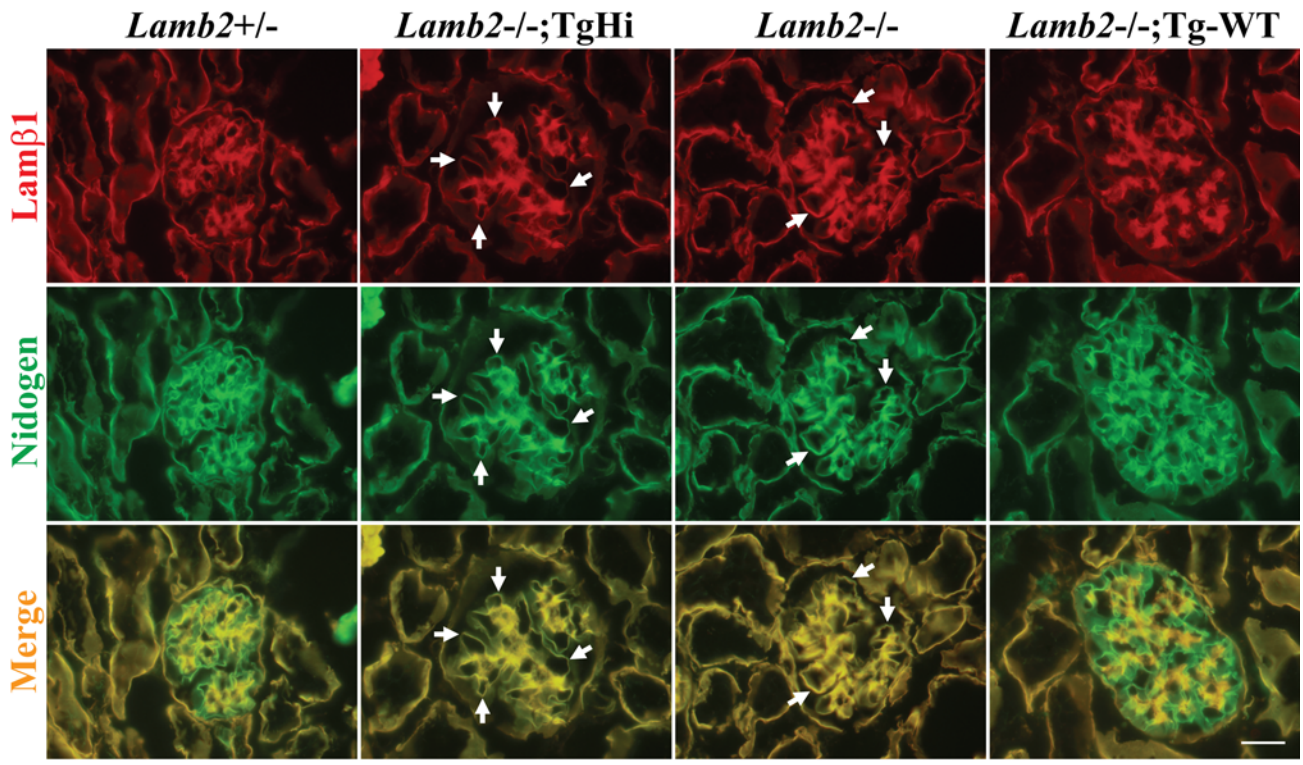
(A, B) Frozen sections of *Lamb2*$^{+/-}$ (control), *Lamb2*$^{-/-}$;Tg^{Hi} (C321R), *Lamb2*$^{-/-}$, and *Lamb2*$^{-/-}$;Tg-WT kidneys were stained for laminin α1 (red in A), α2 (red in B) and agrin (green in A and B), with individual and merged images shown as indicated. Laminins α1 and α2 were co-localized with the GBM marker agrin in *Lamb2*$^{-/-}$;Tg^{Hi} and *Lamb2*$^{-/-}$ mice (arrows), but not in the *Lamb2*$^{+/-}$ and *Lamb2*$^{-/-}$;Tg-WT mice. (C) Frozen kidney sections from mice of the indicated genotypes were examined by double immunofluorescence staining for laminin β1 (red) and nidogen (green). The overlap of laminin β1 with nidogen in *Lamb2*$^{-/-}$;Tg^{Hi} and *Lamb2*$^{-/-}$ mice indicates the continued presence of laminin β1 in the GBM (arrows). Scale bars, 20 μm. Some panels from Figure 3 are reshown here for clarity.



Supplemental Figure 1 A



Supplemental Figure 1 B



Supplemental Figure 1 C