

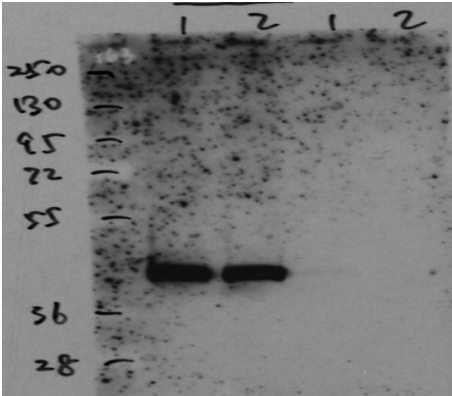
Calponin-3 deficiency augments contractile activity, plasticity, fibrogenic response and Yap/Taz transcriptional activation in lens epithelial cells and explants

Rupalatha Maddala,¹ Maureen Mongan,² Ying Xia² and Ponugoti Vasantha Rao^{1,3*}

Original immunoblot images used in the manuscript

Fig. 1C

CNN3 in Lens Epithelium & Fibers



GAPDH in Lens Epithelium & Fibers

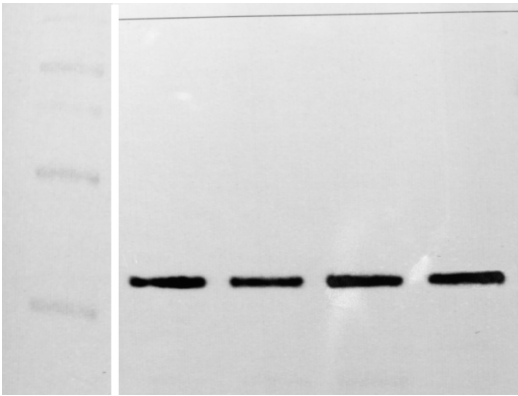
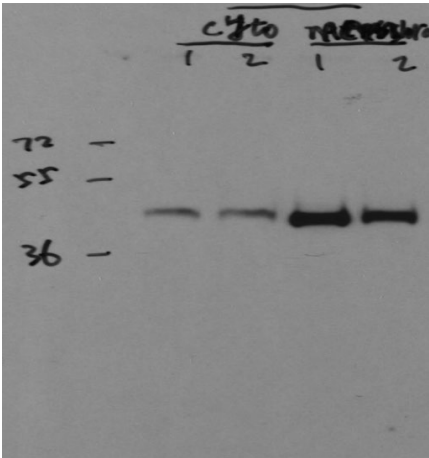


Fig. 1D

CNN3 in Lens cytosolic & membrane fraction



LC in Lens cytosolic & membrane fraction

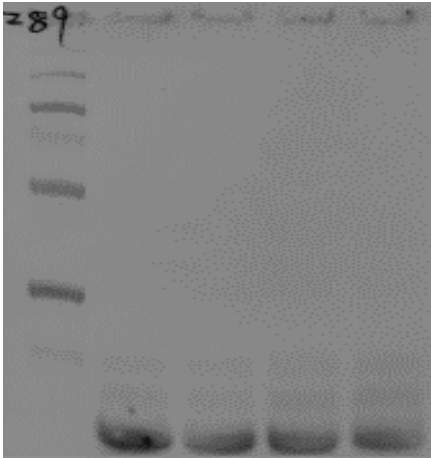
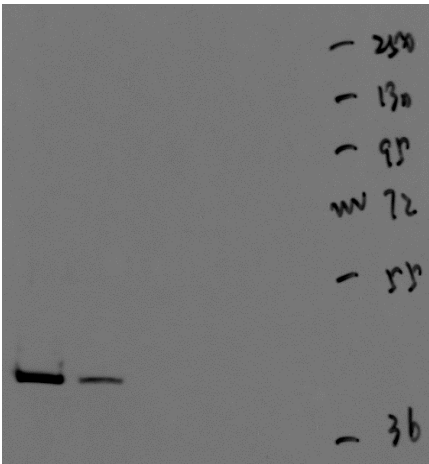


Fig. 1E

CNN3 in Human Lens layers



GAPDH in Human Lens layers

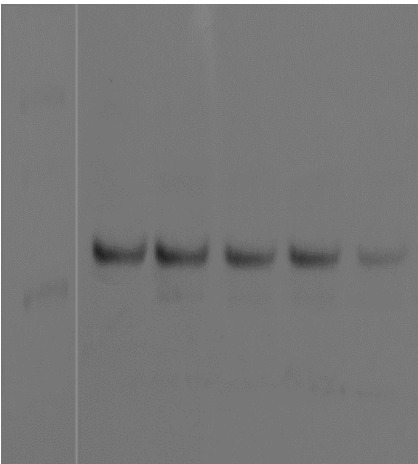
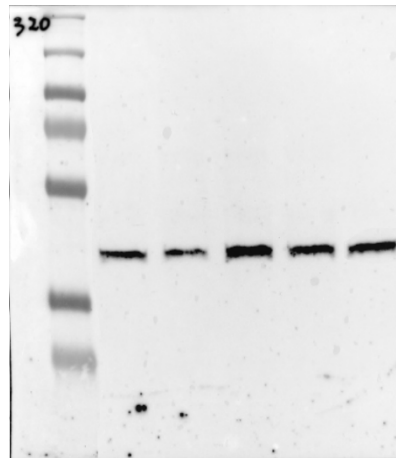


Fig. 3C

CNN3 with LPA treatment



pCNN3 with LPA treatment



GAPDH with LPA treatment

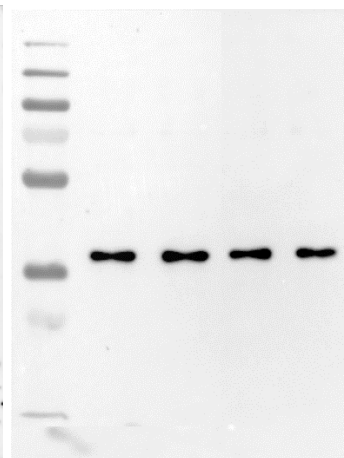
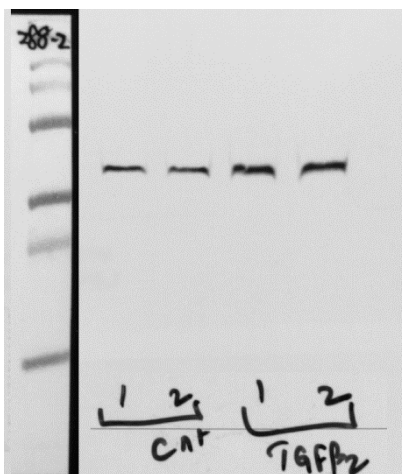
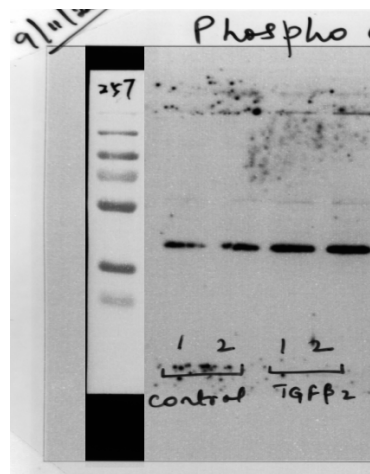


Fig. 3D

CNN3 with TGF β 2 treatment



pCNN3 with TGF β 2 treatment



GAPDH with TGF β 2 treatment

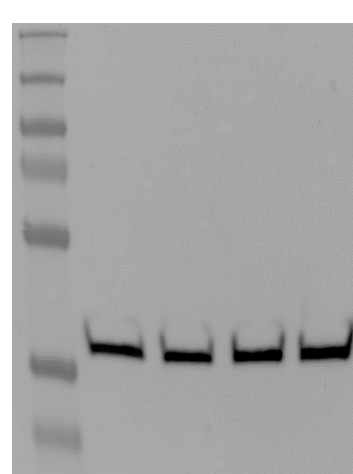
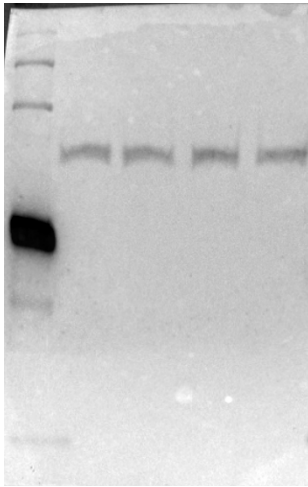


Fig. 4B

pCNN3 (Thr 288) in P1 and P27 lens epithelium



CNN3 in P1 and P27 lens epithelium

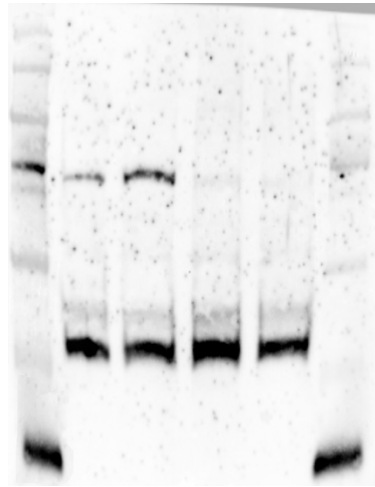
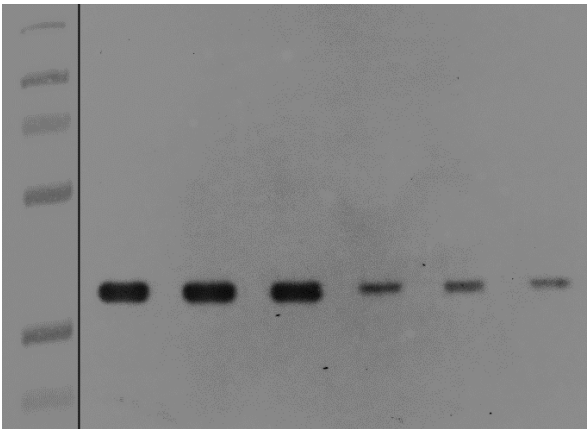


Fig. 5B

CNN3 expression in siRNA treated MLEC



GAPDH expression in siRNA treated MLEC

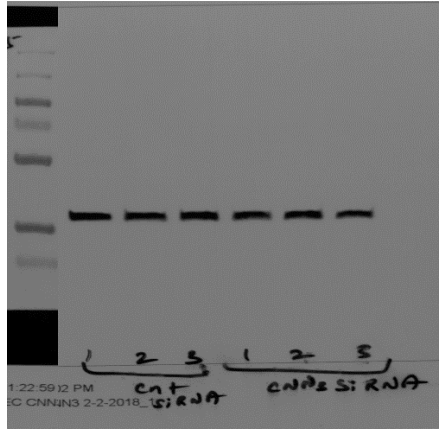
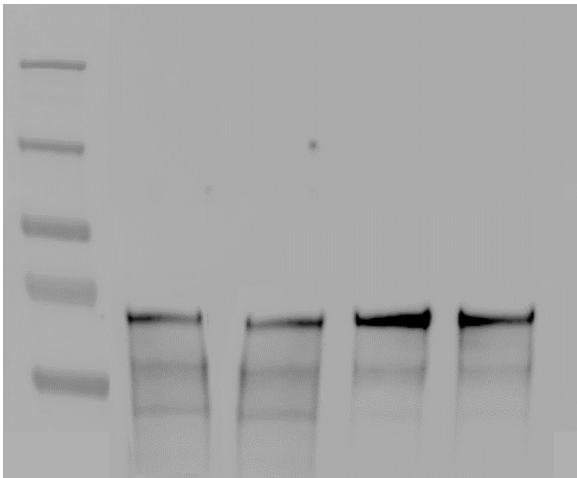
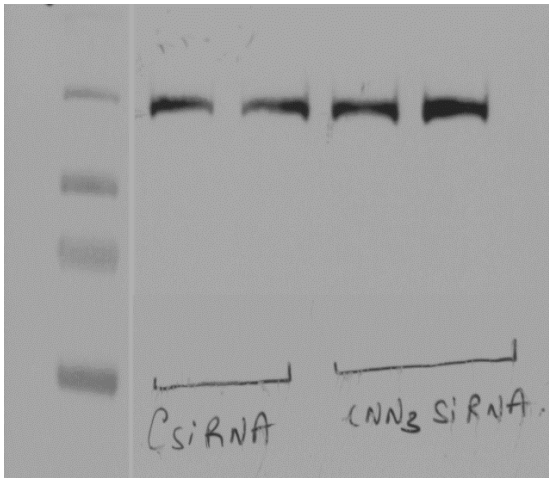


Fig. 5E

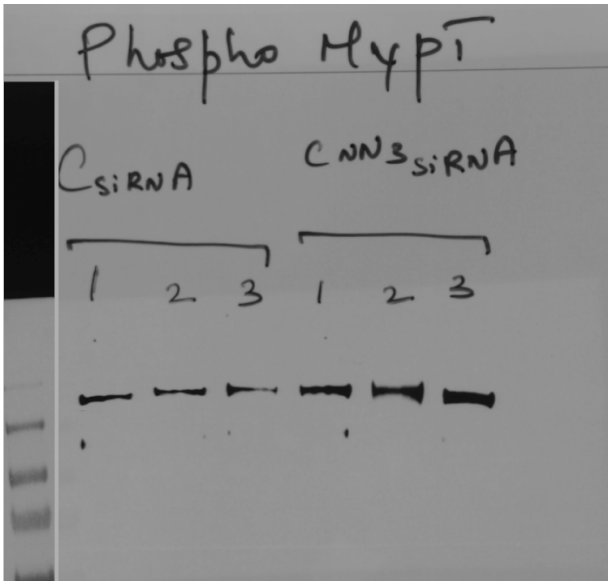
pPax expression in siRNA treated MLEC



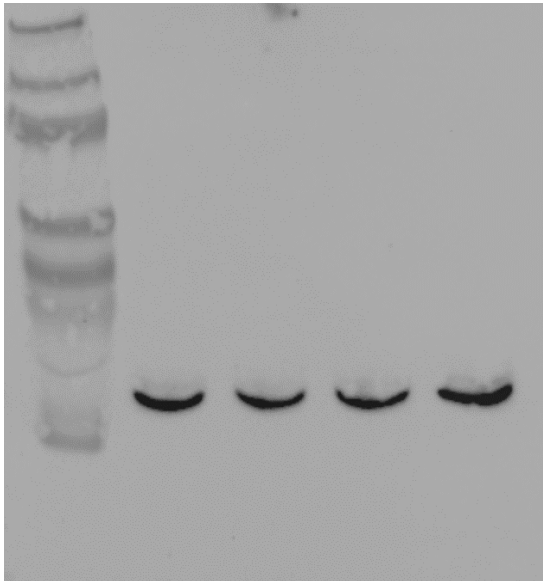
pFAK expression in siRNA treated MLEC



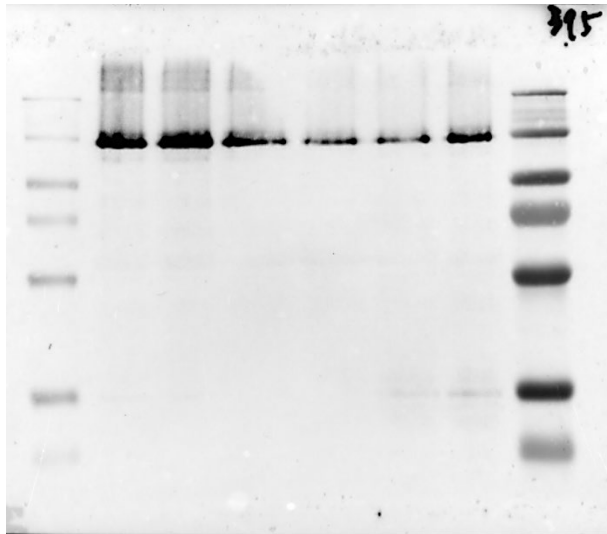
pMYPT expression in siRNA treated MLEC



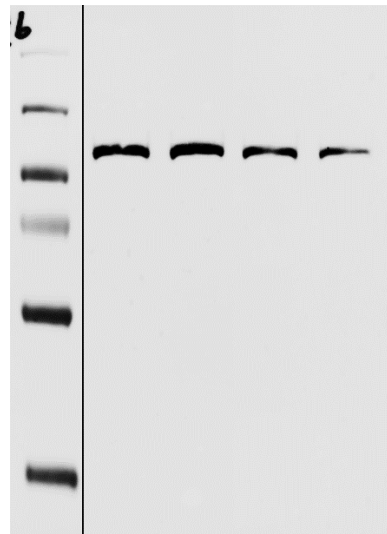
pMLC expression in siRNA treated MLEC



Ecad expression in siRNA treated MLEC



β -Catenin expression in siRNA treated MLEC



GAPDH expression in siRNA treated MLEC

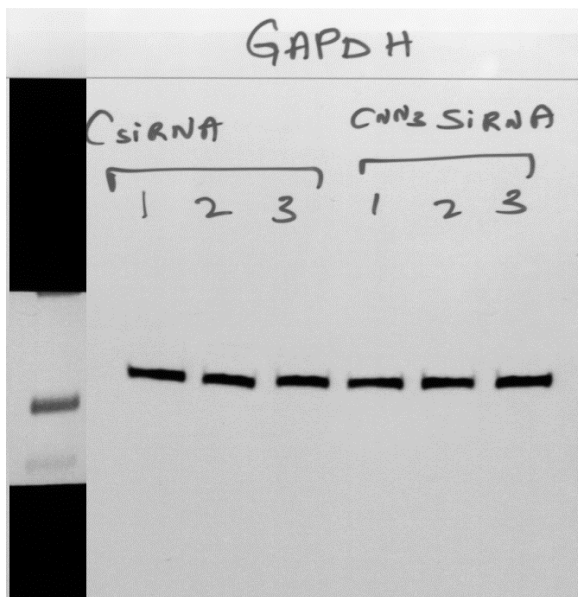
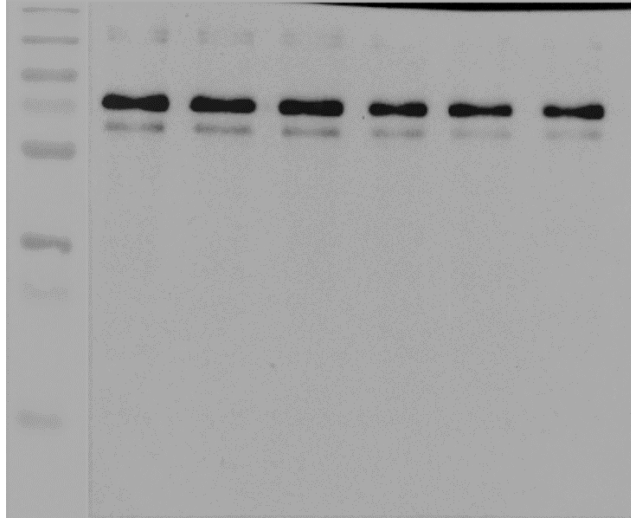
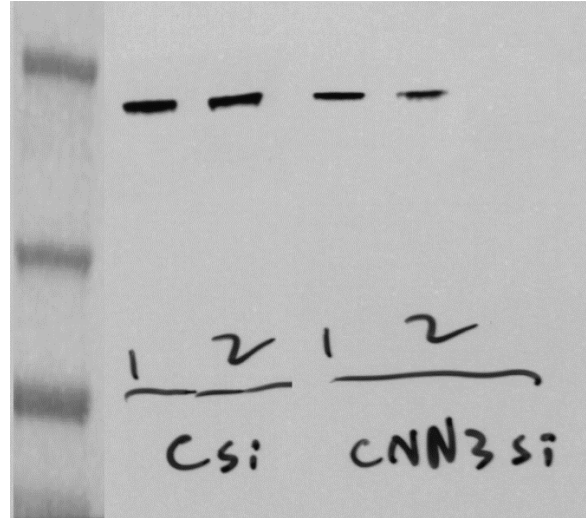


Fig. 6A

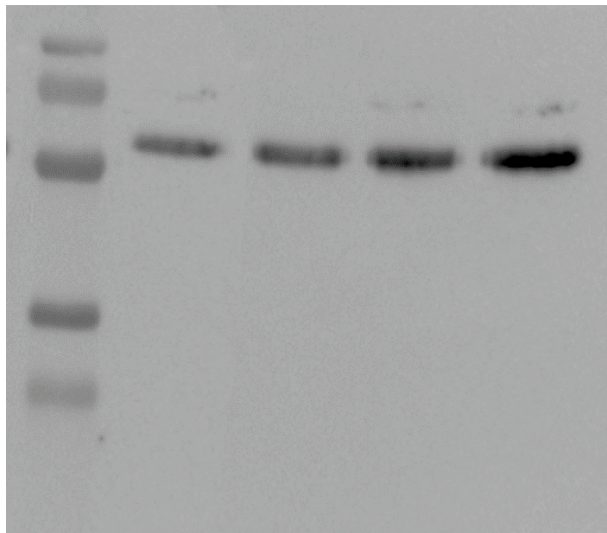
pYAP expression in siRNA treated MLEC



Total YAP expression in siRNA treated MLEC



TAZ expression in siRNA treated MLEC



GAPDH expression in siRNA treated MLEC

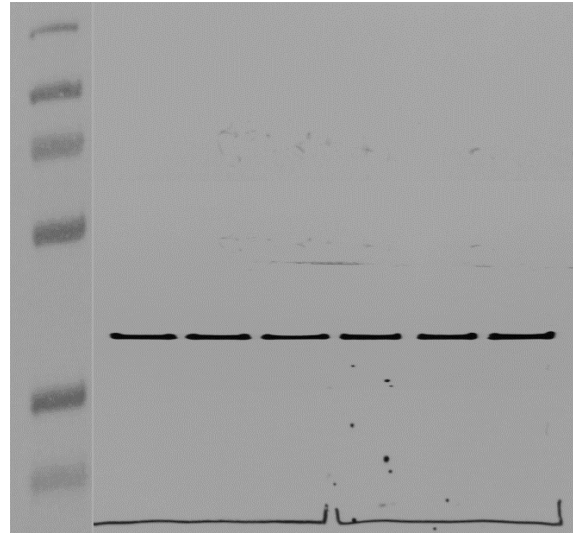
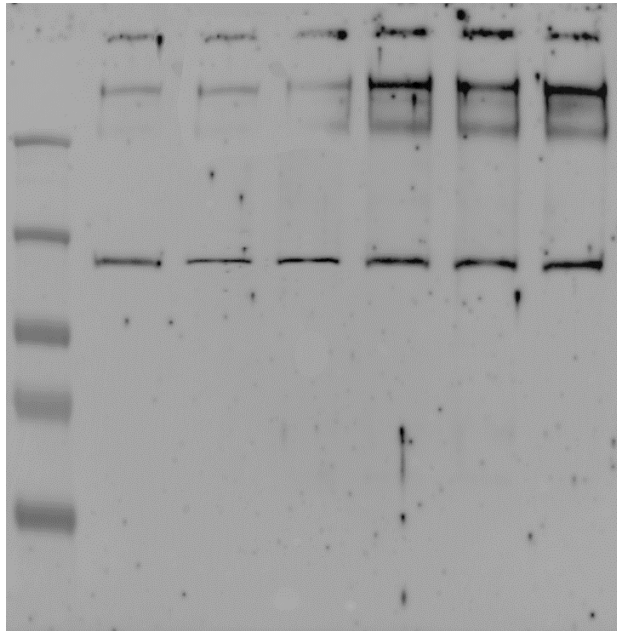
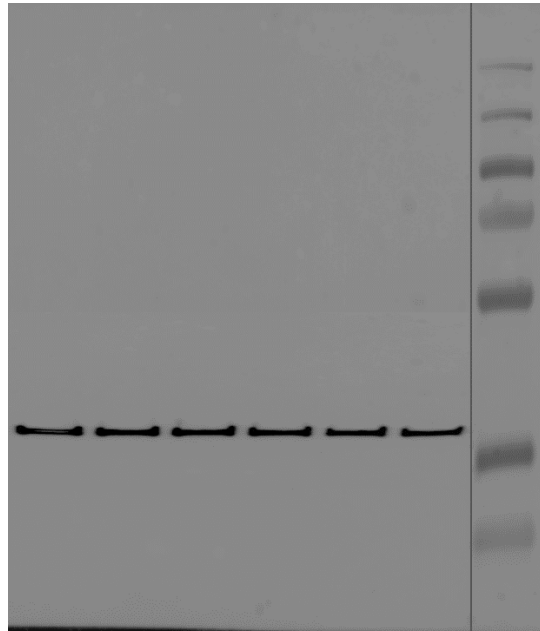


Fig. 6D

Fibronectin expression in siRNA treated MLEC



GAPDH expression in siRNA treated MLEC



CTGF expression in siRNA treated MLEC

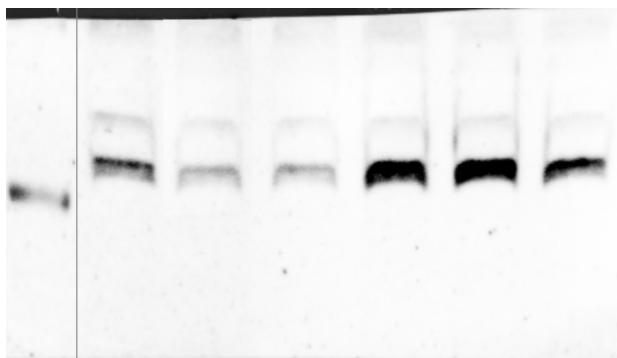
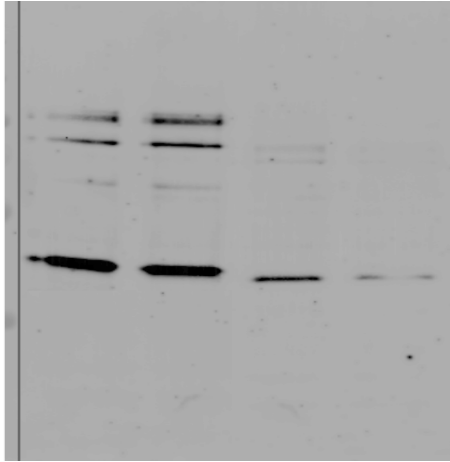
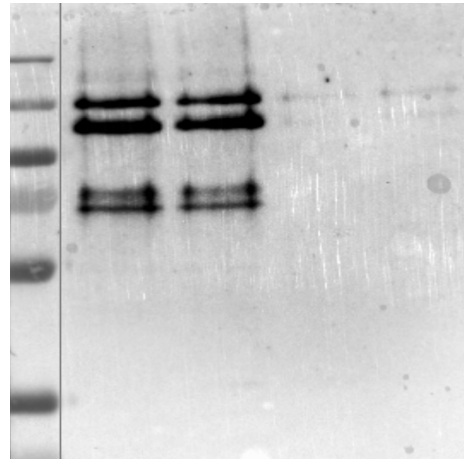


Fig. 7B

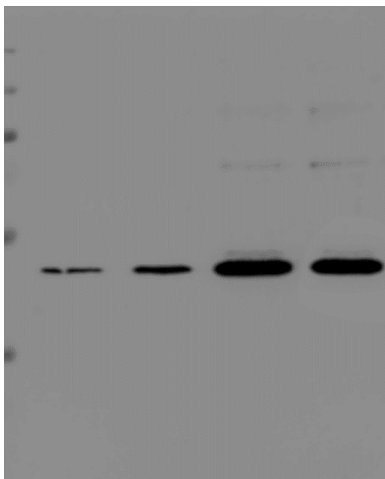
CNN3 expression in siRNA treated ML explants



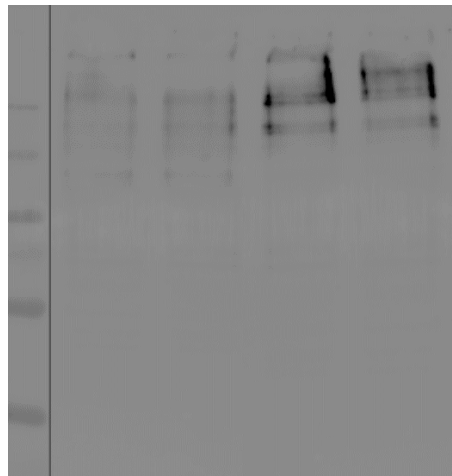
Ecad expression in siRNA treated ML explants



α -SMA expression in siRNA treated ML explants



Fibronectin expression in siRNA treated ML explants



GAPDH expression in siRNA treated ML explants

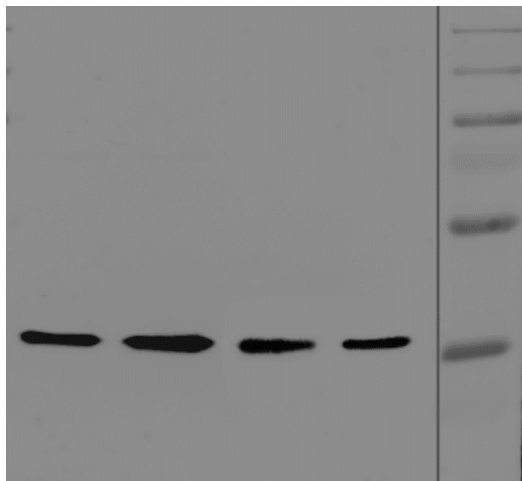
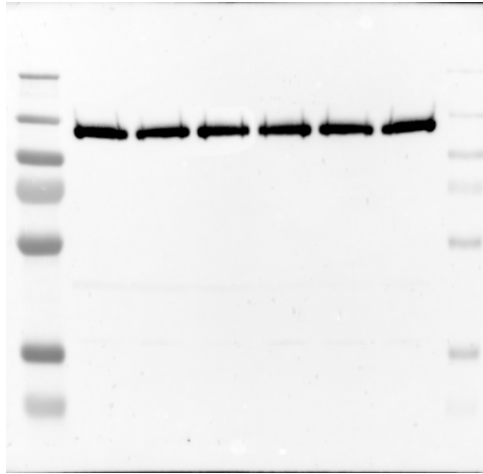
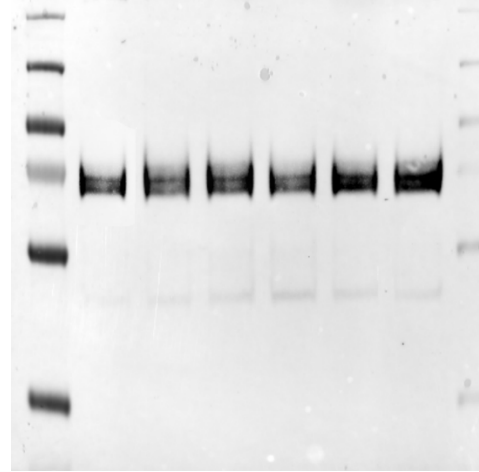


Fig. S1

Total FAK expression in siRNA treated MLEC



Total Pax expression in siRNA treated MLEC



Total MLC expression in siRNA treated MLEC

