Article

Uncovering a Glaucoma-Linked LPA–MAPK/AP-1 Fibrosis Axis in Human Trabecular Meshwork Cells and Its Modulation by *Diospyros kaki* Leaf Extract

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Supplementary Figures

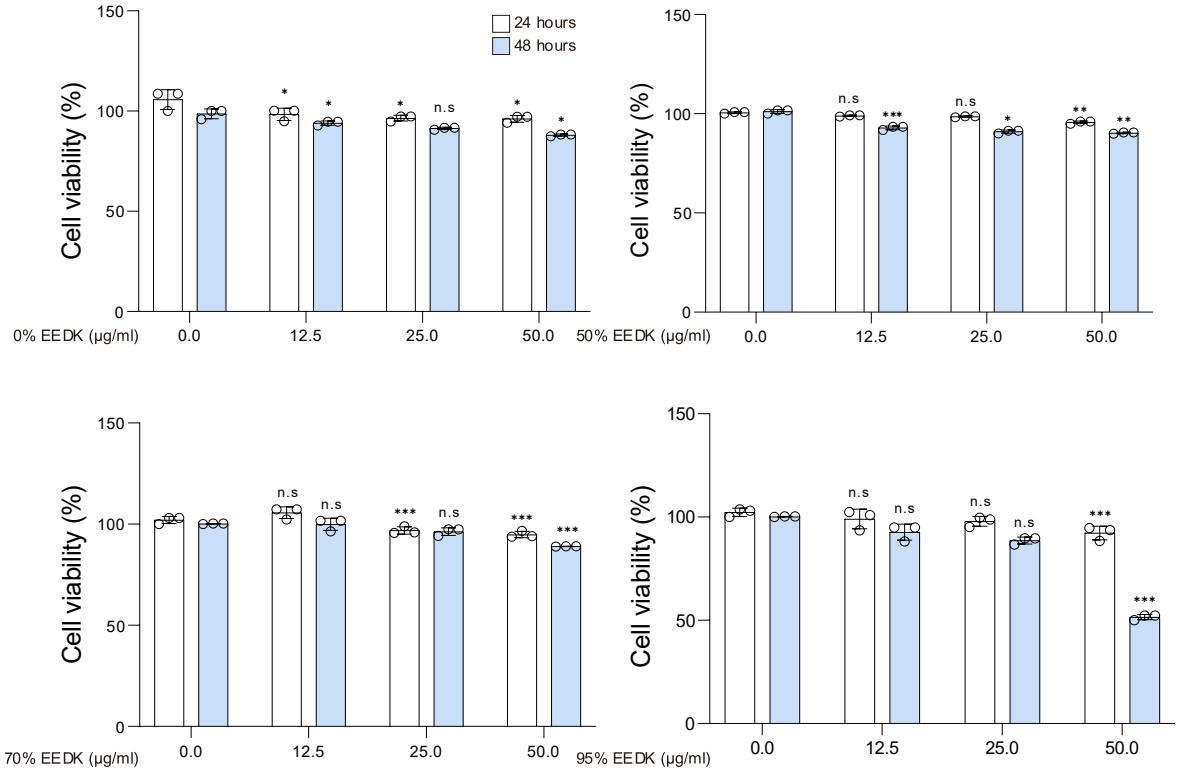


Figure S1. Effects of ethanol-based EEDK extracts on HTM cell viability. Bar plots show HTM cell viability after 24 and 48 h treatment with EEDK extracts prepared using 0%, 50%, 70%, or 95% ethanol. Statistical significance is indicated (*$P < 0.05$, **$P < 0.01$, and ***$P < 0.001$; one-way ANOVA). Abbreviation: *n.s*: not significant.

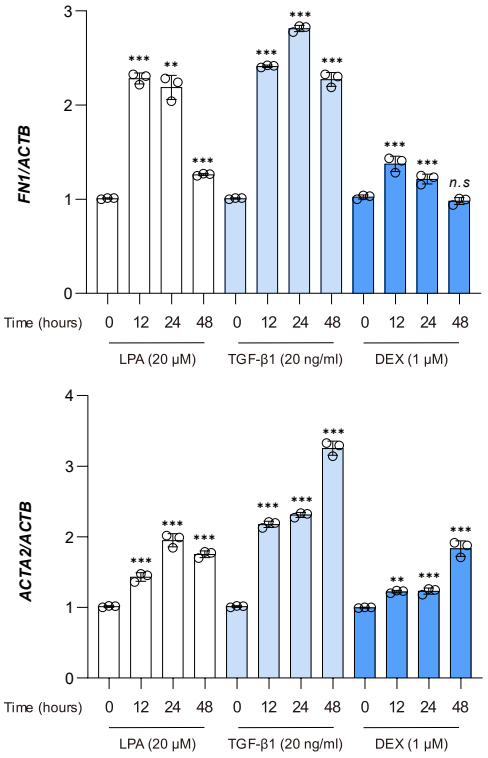


Figure S2. Effects of LPA, TGF-β, and DEX on *FN1* and *ACTA2* expression in HTM cells. Bar plots show FN1 and ACTA2 expression levels in HTM cells treated with LPA, TGF-β, and DEX for 0, 12 h, 24 h, and 48 h. Expression of each gene was normalized to *ACTB*. Statistical significance is indicated (**$P < 0.01$ and ***$P < 0.001$; one-way ANOVA). Abbreviation: LPA: lysophosphatidic acid, TGF-β: transforming growth factor-beta, DEX: dexamethasone, *n.s*: not significant.

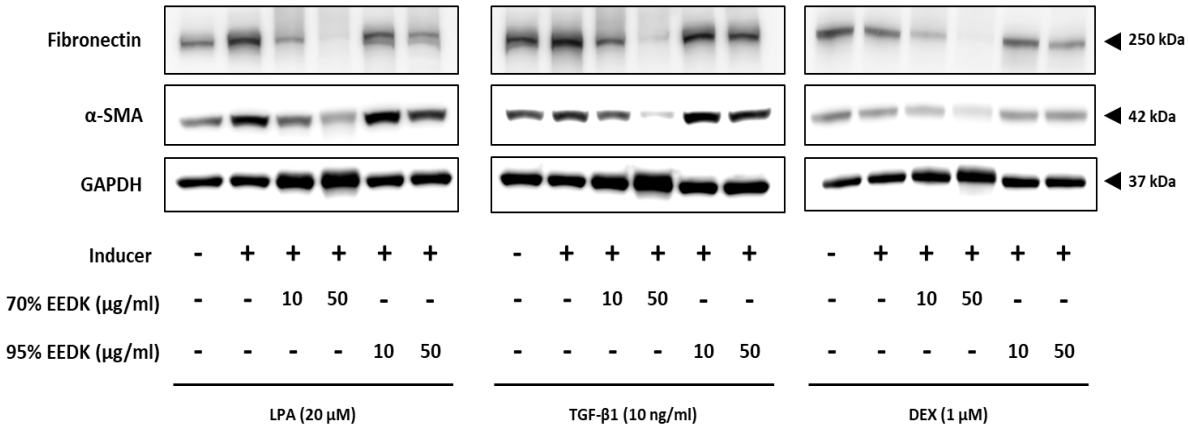


Figure S3. Effects of LPA, TGF-β, and DEX on fibronectin and α-SMA expression in HTM cells. Fibronectin and α-SMA protein levels in HTM cells treated with LPA, TGF-β, and DEX for 24 h were assessed by western blot analysis. GAPDH was used as a normalization marker.