



Figure S5. LKB1 regulates the multimeric state of hTPI1 but not mTpi1 and substitution of Cys in hTPI1 causes formation of a covalent TPI1 dimer.

(A) Western blot analysis of Blue Native PAGE of human isogenic clones derived from H358 and H441 cell lines. Cells were grown under normal conditions (11.1 mM glucose). **(B)** Western blot of proteins co-immunoprecipitated from extracts of H358 cells expressing Cas9 and a non-targeting (FH-GFP cell line) or TPI1-specific (all other cell lines) guide RNA and transgenic expression of Flag-HA tagged GFP or guide RNA resistant TPI1 allelic variants using a polyclonal antibody against full-length TPI1. Cells were cultured in 11.1 mM glucose and treated with 250 μ M Diamide or vehicle for 15 minutes prior to collection. **(C)** Western blot (Blue Native PAGE) of extracts of H358 cell lines used for co-immunoprecipitation in panel 3F. Cells were cultured in 11.1 mM glucose.