Supplementary Figure 3 Inhibition of ephrin-induced tyrosine phosphorylation of Eph receptors by Ptpro in PC-3 prostate epithelial cells expressing EphA2 endogenously. (a) Tyrosine phosphorylation levels of Eph receptors after stimulation with ephrin-A2-Fc. PC-3 cells were transfected with control or Ptpro-expression plasmid, and selected with puromycin. Selected cells were stimulated with ephrin-A2-Fc under serum-starved conditions. Cells were lysed at indicated time points after stimulation with ephrins. Cell lysates were then immunoprecipitated with anti-EphA2 antibodies, and protein complexes were analyzed by immunoblotting using anti-phosphotyrosine (pTyr) and anti-EphA2 (EphA2) antibodies. (b) Tyrosine phosphorylation levels of Eph receptors after stimulation with ephrin-A2-expressing plasma membranes. Control or Ptpro-expressing PC-3 cells were plated on substrates containing membrane fragments from control or ephrin-A2-expressing cells. After 30 min, cells were lysed and immunoprecipitated with anti-EphA2 antibodies. Protein complexes were analyzed using anti-phosphotyrosine (pTyr) and anti-EphA2 (EphA2) antibodies.