Supplemental Figure 1: Epo-Cy5.5 is fully bioactive



Bioactivity of Epo-Cy5.5 (red curve) was determined by analyzing the proliferation of UT-7 cells (WST proliferation assay, Roche Diagnostics). Epo-Cy5.5 induced proliferation of UT-7 cells was compared with the proliferation induced by unlabelled rhuEpo (green curve) using serial dilutions of both factors. A similar dose-dependent increase in UT-7 cell proliferation is observed in response to Epo-Cy5.5 and rhuEpo, as obvious by the similar slope during the exponential phase. The differences between the curves in the plateau phase at high Epo-Cy5.5 and rhuEpo concentrations are due to errors in the regression curves.



Supplemental Figure 2: EpoR protein expression in A549 and H838 cells

Western blot analysis of EpoR protein expression in human NCSLC cell lines H838 and A549. Cell lysates of H838 and A549 were subjected to immunoprecipitation (IP) and immunoblotting with specific antibodies directed against the EpoR. EpoR-transfected HeLa cells with EpoR overexpression were used as positive control. Increasing amounts of the recombinant calibrator GST-EpoR were added for estimating the amount of EpoR protein. Samples were run in triplicate and are representative of three independent experiments.