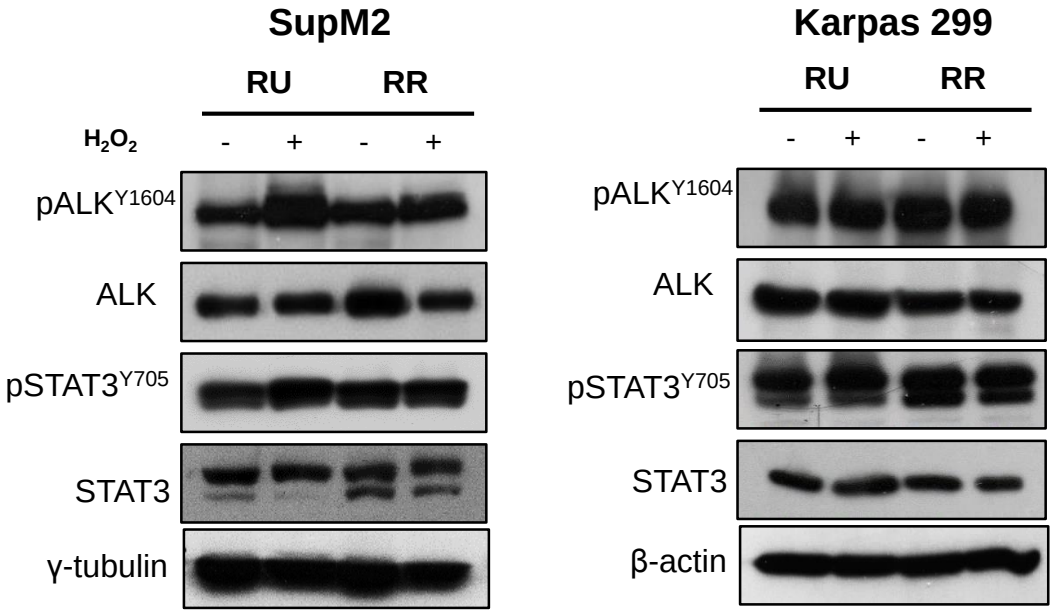Additional file 5 figure S5