## Supporting Figures

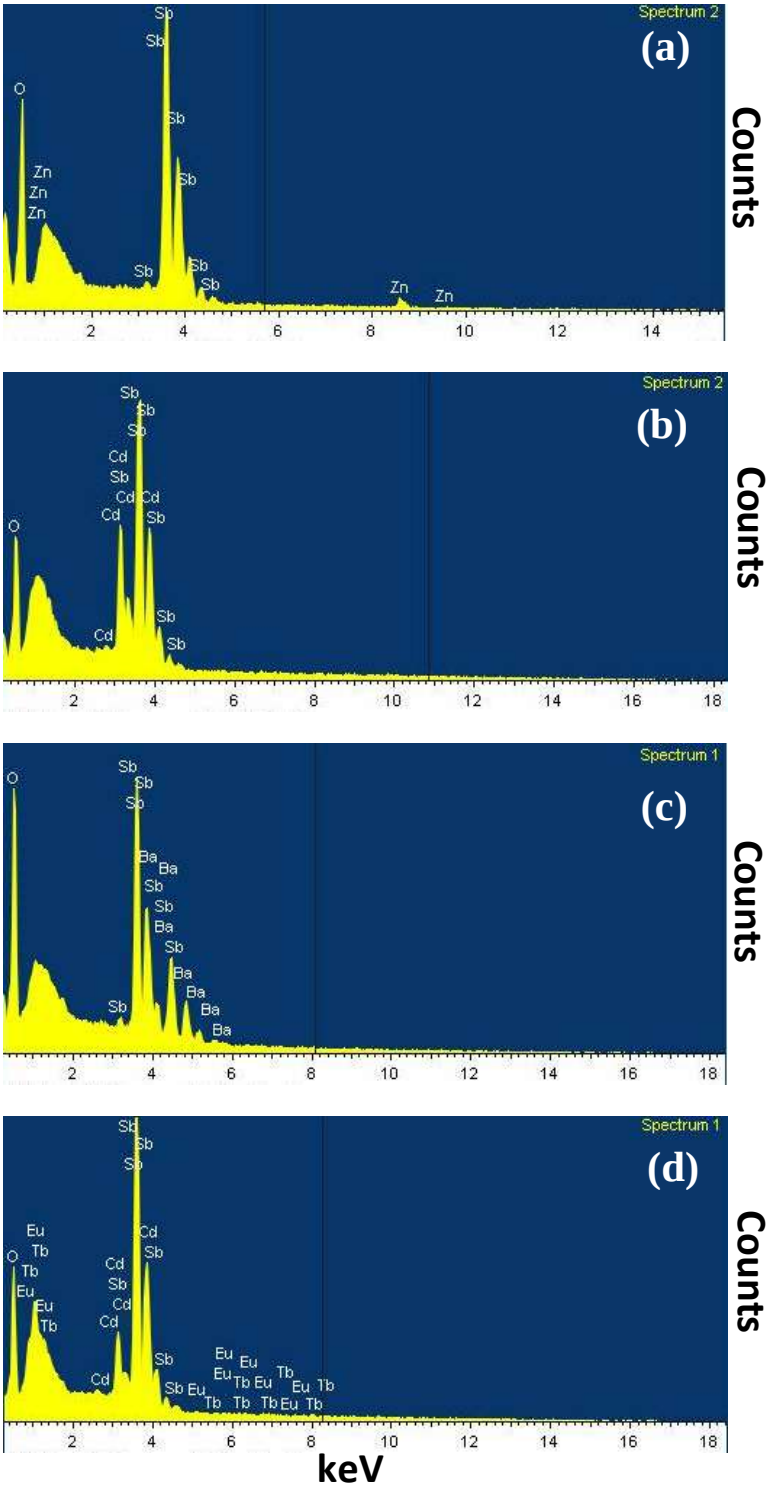


**Figure S1**: EDX pattern of (a) $ZnSb_2O_6$, (b) $CdSb_2O_6$ (c) $BaSb_2O_6$ and (d) $CdSb_2O_6$:$Tb^{3+}$(1.5%): $Eu^{3+}$(0.5%).

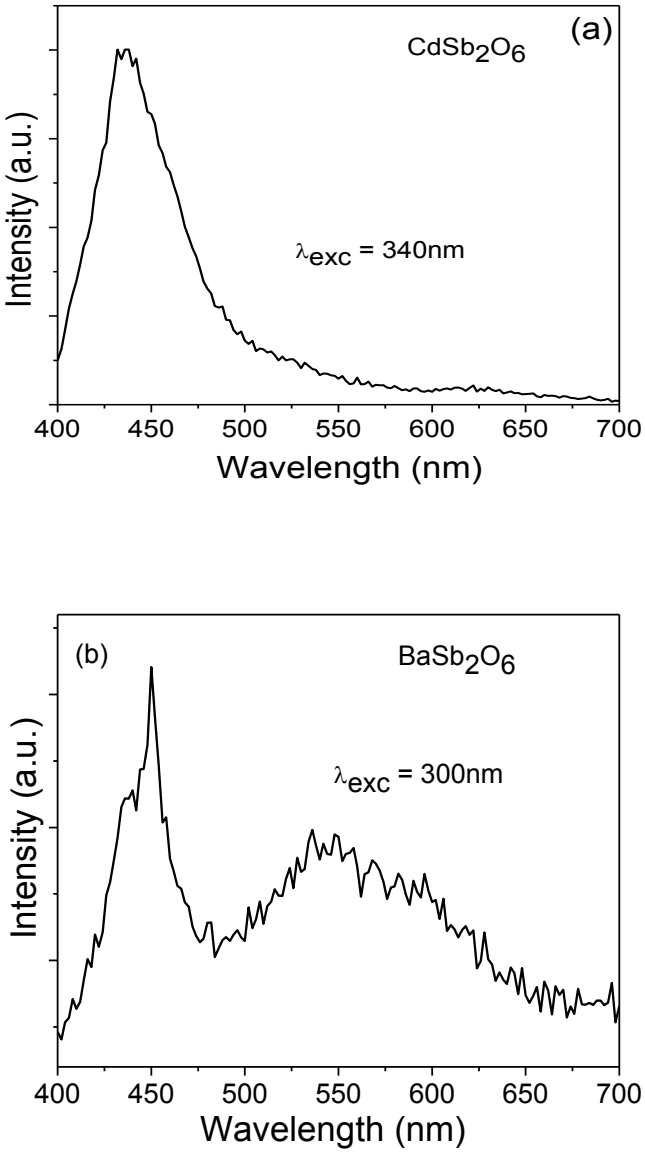


**Figure S2**: Emission spectra of (a) $CdSb_2O_6$ and (b) $BaSb_2O_6$ nanoparticles.

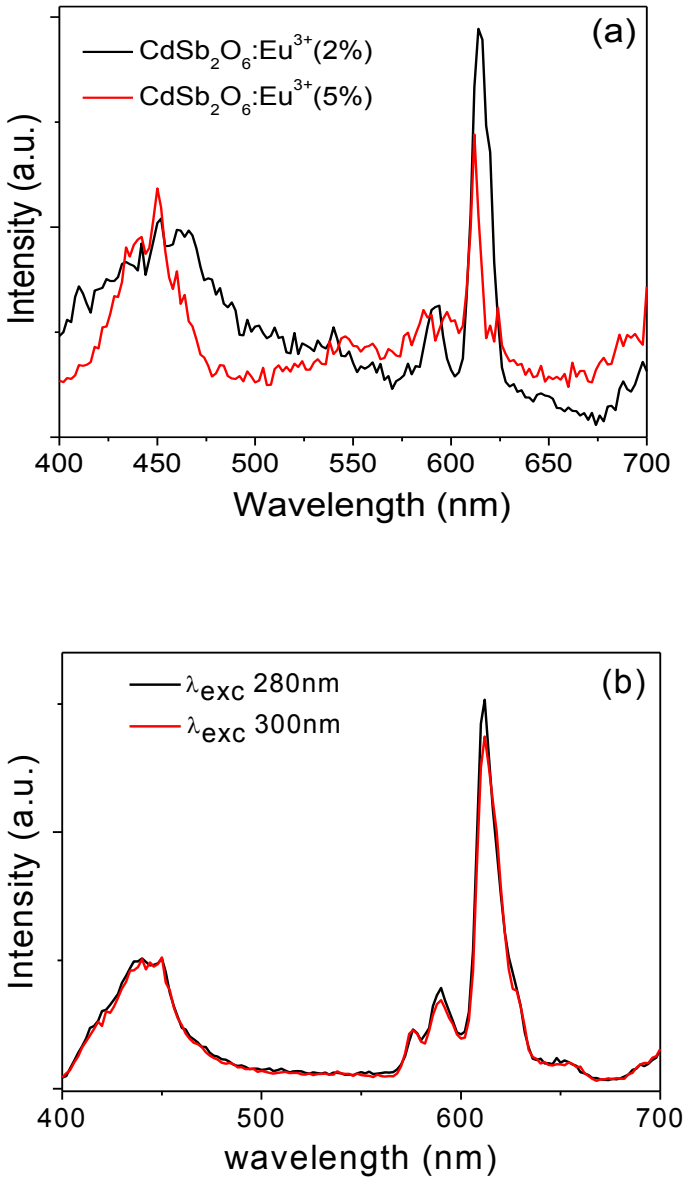


**Figure S3**: Emission spectra of (a) $CdSb_2O_6:Eu^{3+}$(2%) and $CdSb_2O_6:Eu^{3+}$(5%) and (b) $BaSb_2O_6:Eu^{3+}$(2%) nanoparticles.

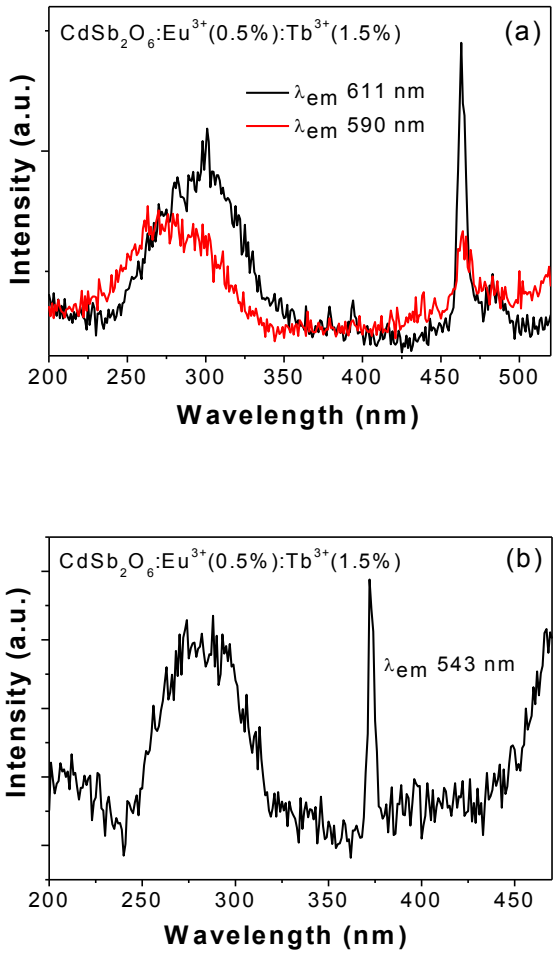


**Figure S4**: $CdSb_2O_6:Eu^{3+}(0.5\%):Tb^{3+}(1.5\%)$ nanoparticles (a) excitation spectra at $\lambda_{em}$ 590 and 611nm and (b) excitation spectrum at $\lambda_{em}$ 543 nm.

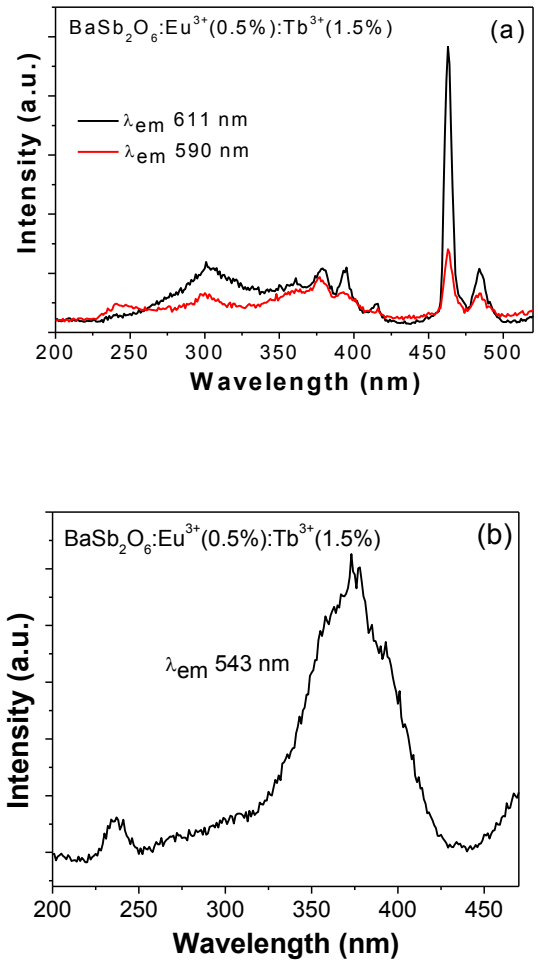


**Figure S5**: $BaSb_2O_6:Eu^{3+}(0.5\%):Tb^{3+}(1.5\%)$ nanoparticles (a) excitation spectra at $\lambda_{em}$ 590 and 611nm and (b) excitation spectrum at $\lambda_{em}$ 543 nm.

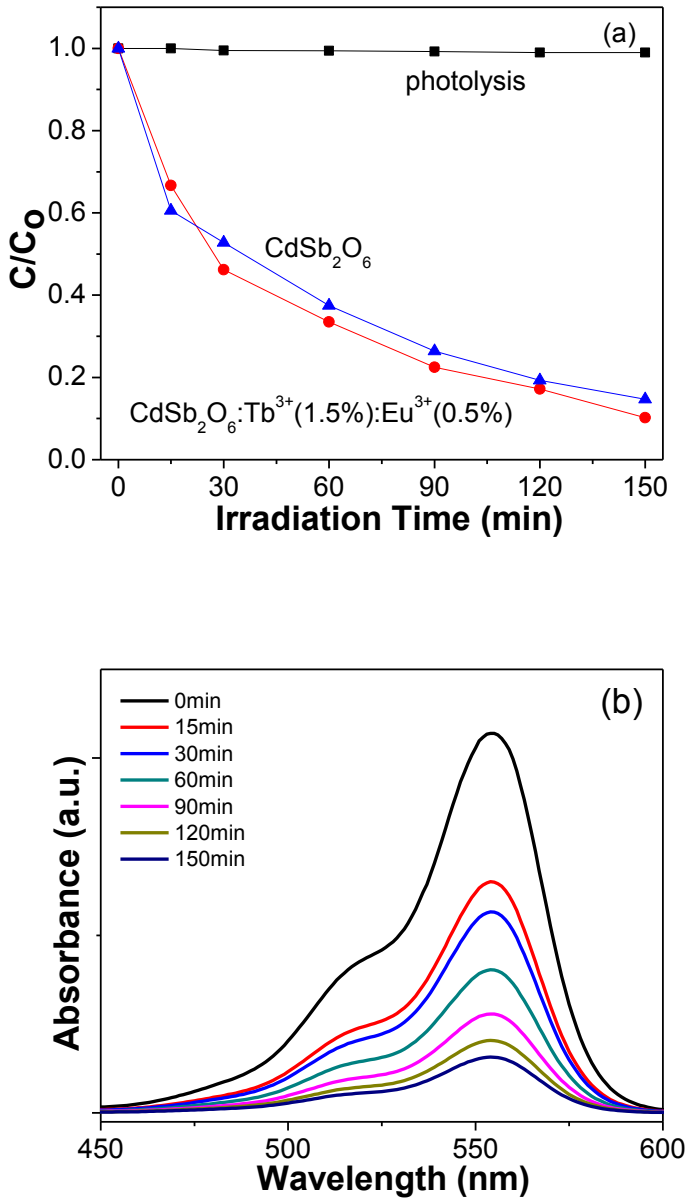


**Figure S6**: (a) Temporal changes of RhB concentration as monitored by the UV–vis absorption spectra at $\lambda \geq 400$ nm on the as-prepared $CdSb_2O_6$ and $CdSb_2O_6$:$Tb^{3+}$(1.5%):$Eu^{3+}$(0.5%), (b) Photodegradation of RhB with $CdSb_2O_6$:$Tb^{3+}$(1.5%):$Eu^{3+}$(0.5%).