



SUPPLEMENTARY FIG. S2. LC-MS/MS analysis of the tryptic peptide containing Cys346 in glutathionylated CBS. CBS ($100 \mu M$) was treated with 2 mM diamide and 3 mM GSH for 30 min at room temperature and then denatured with 6 M guanidine hydrochloride. Free thiol groups were derivatized with 10 mM iodoacetamide, followed by tryptic digestion for LC-MS/MS analysis. The treated peptide ($M + 3H$) $^{3+}$ with a mass/charge ratio (m/z) of 827.416 (shown in Fig. 4b) corresponds to the CBS modified by glutathionylation at Cys346. LC-MS/MS, liquid chromatography–tandem mass spectrometry.