

**Supplementary materials for**

**Proteomic dissection of cell type-specific H2AX-interacting protein complex  
associated with hepatocellular carcinoma**

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**Table 1S.** Ratio of the ectopic to endogenous H2AX / $\gamma$ -H2AX expression in IB assay by densitometry.

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Protein name	Ratio ectopic/endogenous and SD
H2AX	0.81 $\pm$ 0.05
$\gamma$ -H2AX	1.15 $\pm$ 0.04

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(Standard deviation (SD) was obtained from 3 replicated measurements. Empirically, we selected the ratio > 1.2 for showing the up-regulated protein expression, and ratio < 0.8 for showing the down-regulated protein expression.)

**Table 2S.** Ratio of protein expression in BLM(+) cells to that in BLM(-) cells in IB assay after IP by densitometry.

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Protein name	Ratio BLM(+)/BLM(-) and SD
PARP-1	1.34 $\pm$ 0.10
PEP1	1.27 $\pm$ 0.04
14-3-3 $\zeta$	1.51 $\pm$ 0.06
CFL1	1.40 $\pm$ 0.02
$\gamma$ -H2AX	1.65 $\pm$ 0.09
FLAG	1.05 $\pm$ 0.03

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(Standard deviation (SD) was obtained from 3 replicated measurements. Empirically, we selected the ratio > 1.2 for showing the up-regulated protein expression, and ratio < 0.8 for showing the down-regulated protein expression.)

**Table 3S.** Ratio of protein expression in 7703 cells to that in 7701 cells in IB assay after IP by densitometry.

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Protein name	Ratio
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7703/7701 and SD

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PARP-1	1.44±0.07
PEP1	1.03±0.04
CFL1	1.32±0.07
14-3-3ζ	1.41±0.09
γ-H2AX	0.92±0.03
FLAG	0.96±0.02

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(Standard deviation (SD) was obtained from 3 replicated measurements. Empirically, we selected the ratio > 1.2 for distinguishing the up-regulated protein expression.)