**mTORC2/AKT/HSF1/HuR constitute a feed-forward loop regulating Rictor expression and tumor growth in glioblastoma**

**Holmes *et al.***

**Supplementary Information**

Supplemental figure legends

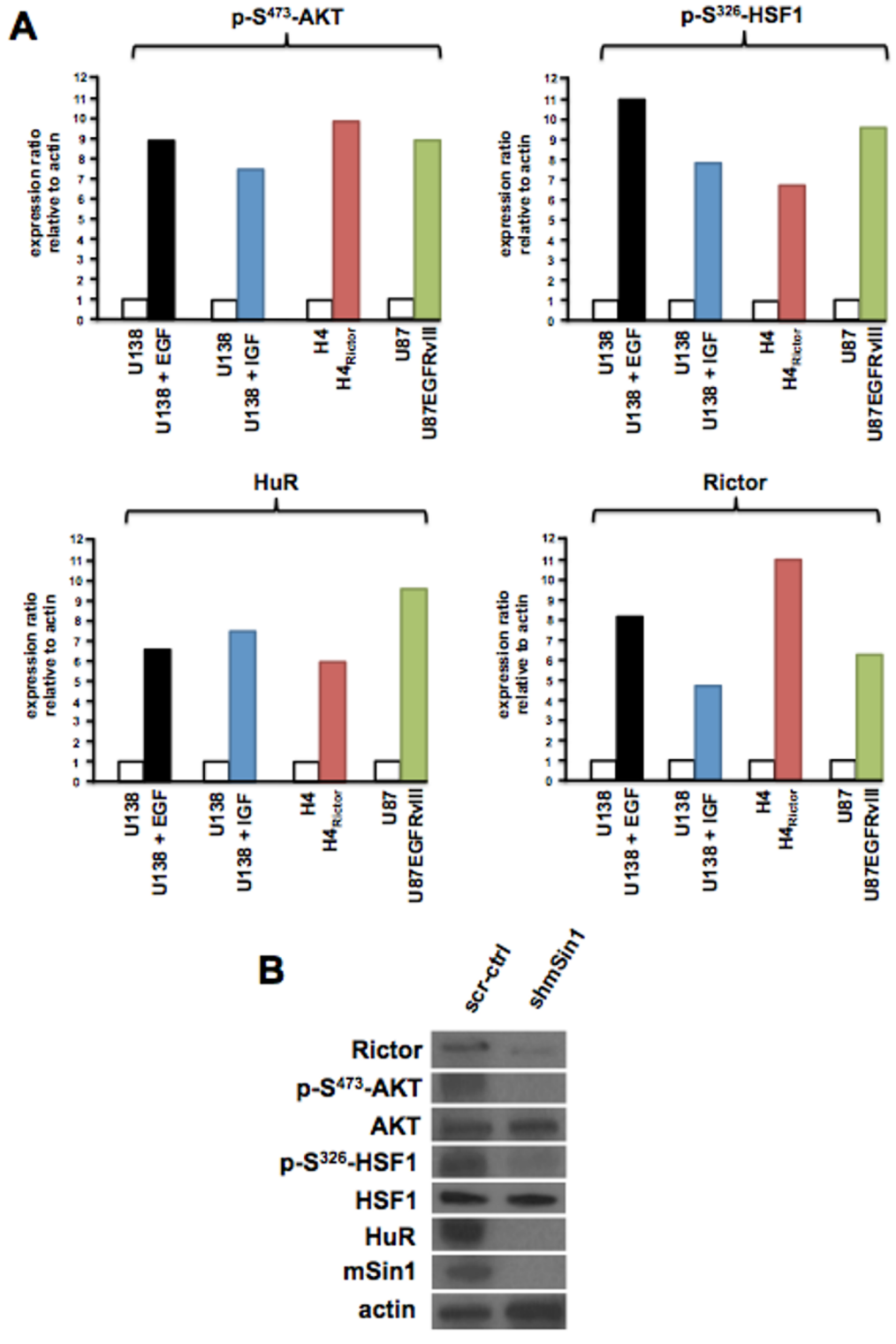
**Figure S1. A).** Expression levels of phospho-$S^{473}$-AKT, phospho-$S^{326}$-HSF1, HuR and Rictor from Figure 3A. Quantification of band intensities was determined by densitometry. **B).** mSin1 knockdown blocks EGF-induced AKT/HSF1/HuR/Rictor signaling. U138 cells stably expressing either a scr-crtl (scrambled sequence negative control) or mSin1-shRNA targeting construct, were treated with EGF (100 μg/ml, 8 h) and expression levels of the indicated proteins determined by immunoblotting.

**Figure S2.** Quantification of expression levels of phospho-$S^{473}$-AKT, total-AKT, phospho-$S^{326}$-HSF1, total-HSF1, HuR and Rictor from Figure 4A.

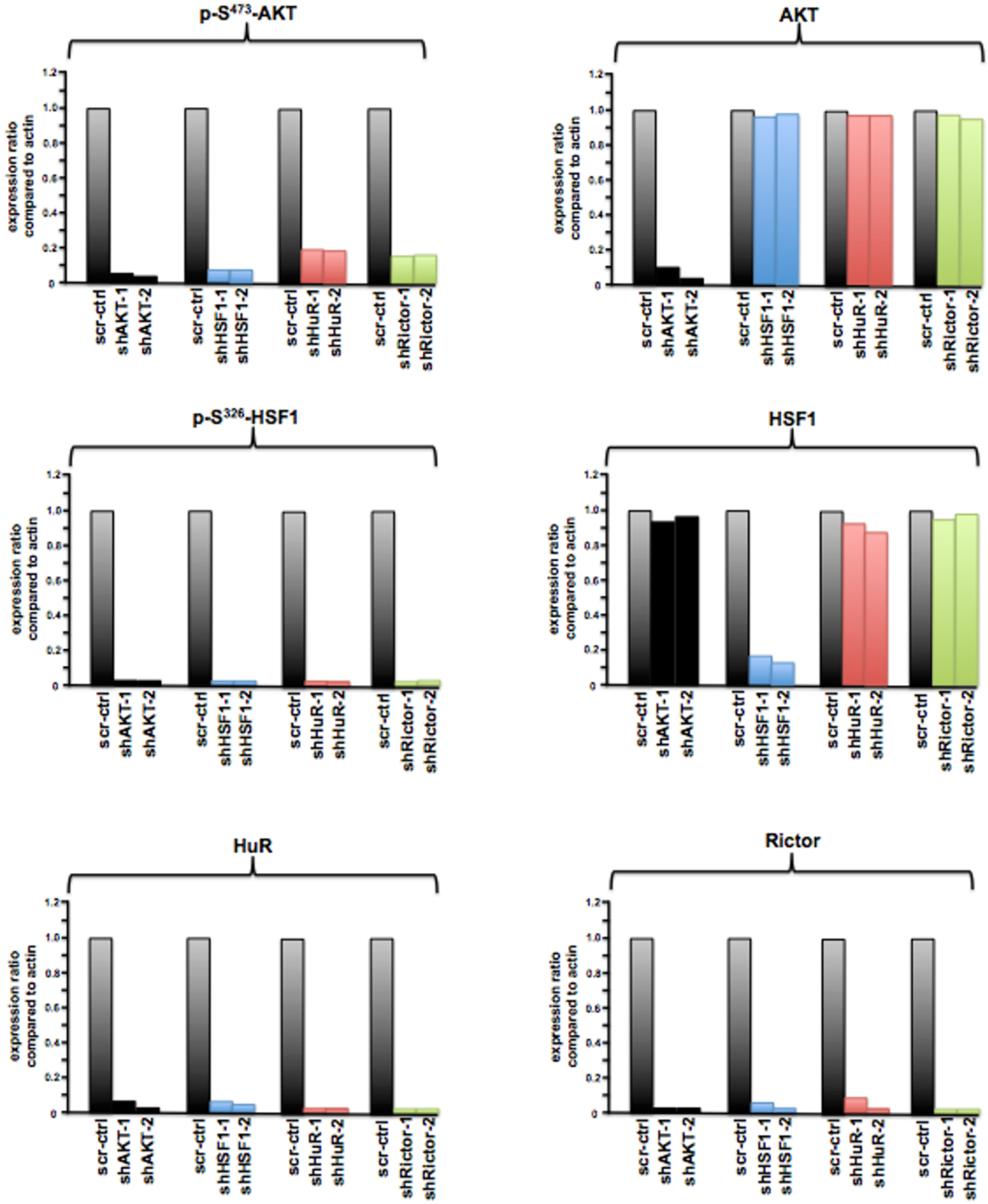
**Figure S3.** Polysome distribution of Rictor and actin mRNAs from U138 cells transduced with empty vector or constitutively active HSF1 (HSF1-CA) and treated with siRNAs targeting AKT as indicated. Performed as in figure 1D. Mean and +S.D. are shown. *; $P < 0.05$.

**Figure S4.** Graphic representations of correlations between the expression levels of the indicated proteins in 34 tumor samples. Levels are expressed as arbitrary units of optical density following quantification. Spearman coefficient $r_s$ values are indicated.

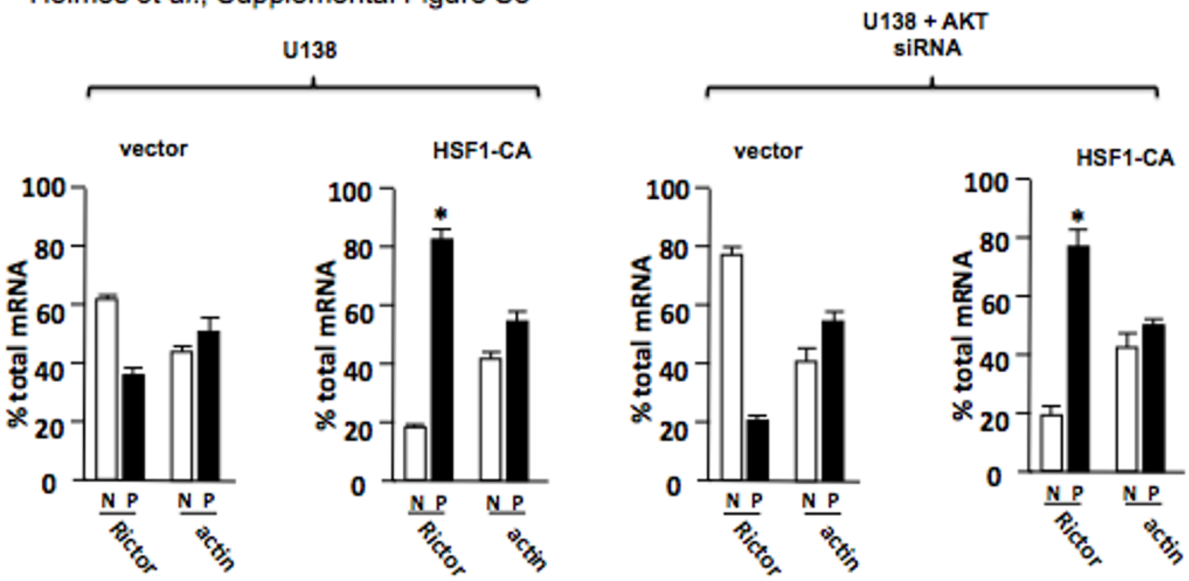
Holmes *et al.*, Supplemental Figure S1



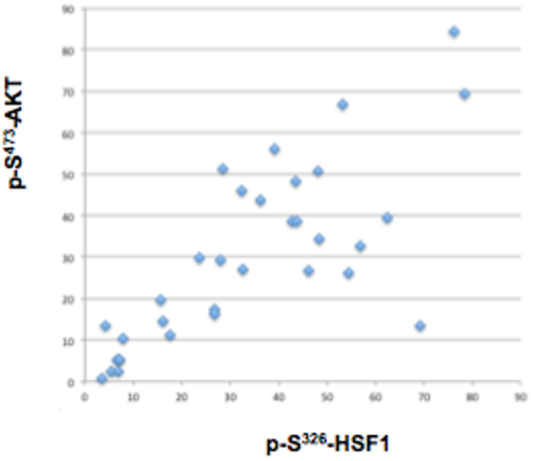
Holmes *et al.*, Supplemental Figure S2



Holmes *et al.*, Supplemental Figure S3



Holmes *et al.*, Supplemental Figure S4

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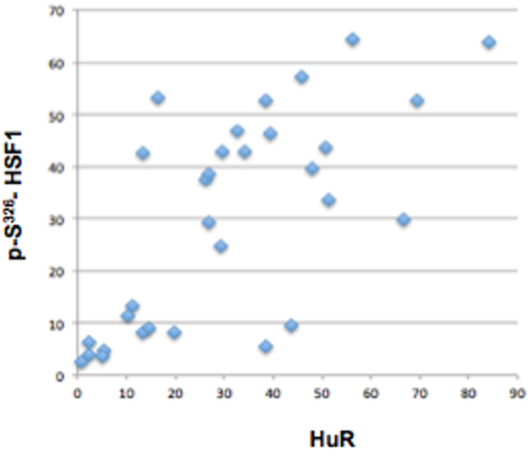


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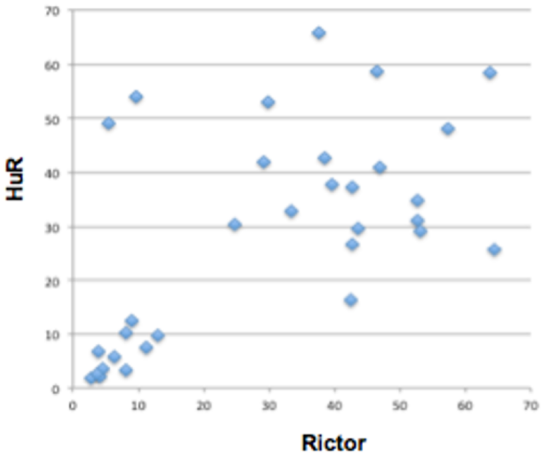


$r_s$ = 0.71