

Supplemental Material

C-Terminal HSP90 Inhibitors Block the HIF-1 Hypoxic Response by Degrading HIF-1 α through the Oxygen-Dependent Degradation Pathway

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Supplementary information is available for western blot loading controls.

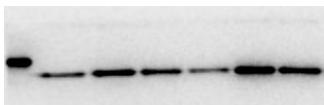
For western blotting, PVDF blots were cut horizontally at specific molecular weight markers to probe for multiple proteins per blot or samples were loaded at identical volumes on a second gel. Details for housekeeping blots (Histone H3 or β -actin) not shown in the manuscript are included below.

Figure 1b. Histone H3 loading control for HIF1 α . Supplemental blot for housekeeping protein Histone H3 corresponding to the HIF-1 α blot shown in Figure 1b:



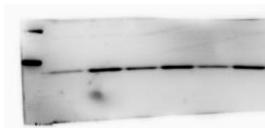
Histone H3 antibody (1:2000, abcam, ab1791). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa. Red indicates saturation.

Figure 1c. Histone H3 loading control for HIF1 α . Supplemental blot for housekeeping protein Histone H3 corresponding to the HIF-1 α blot shown in Figure 1c:



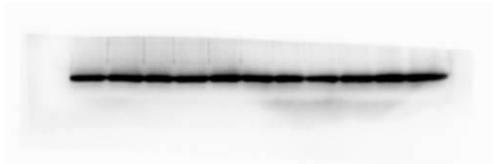
Histone H3 antibody (1:2000, abcam, ab1791). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa.

Figure 1d. Histone H3 loading control for HIF1 α . Supplemental blot for housekeeping protein Histone H3 corresponding to the HIF-1 α blot shown in Figure 1d:



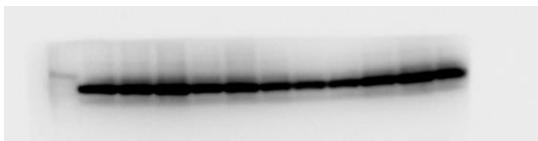
Histone H3 antibody (1:2000, abcam, ab1791). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa. Red indicates saturation.

Figure 1e. Histone H3 loading control for Hexokinase 2, Glut1. The western blots shown in the manuscript for Hexokinase 2 and Glut1 are from the same western blot (cut horizontally) and samples. The cut portion of the same western blot for the housekeeping protein Histone H3 is also shown in the supplementary information below. Blot was cut horizontally between the 80kDa and 60 kDa markers, as well as below the 30kDa marker to probe separately for HK2, Glut1 and histone H3.



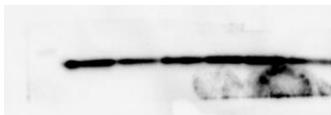
(see above blot) Histone H3 antibody (1:2000, abcam, ab1791) (for the HK2 and GLUT1 westerns). Ladder not visible in this exposure.

Figure 1e. Histone H3 loading control for LDHA. The western blots shown in the manuscript for LDHA are from a different western blot and samples than the Hexokinase and Glut1. The housekeeping protein Histone H3 blot for the LDHA samples is shown below.



(see above blot) Histone H3 antibody (1:1000, abcam, ab1791) (for the LDHA western blot). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa.

Figure 1f. Histone H3 loading control for Hexokinase 2. Supplemental blot for housekeeping protein Histone H3 corresponding to the HK2 blot shown in Figure 1f:



Histone H3 antibody (1:2000, abcam, ab1791). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa.

Figure 1g. Histone H3 loading control for Hexokinase 2. Supplemental blot for housekeeping protein Histone H3 corresponding to the HK2 blot shown in Figure 1g:



Histone H3 antibody (1:2000, abcam, ab1791). Ladder in lane 1 is MagicMark XP (ThermoFisher Scientific) and indicates 30 kDa.