Raw data for WB of figure 2 A

100KDa
70KDa
HIF-1α 92 KDa

100KDa
70KDa
p-Akt 56 KDa

100KDa
70KDa
Akt 60 KDa

55 KDa
40 KDa
p-ERK  p-ERK1/p-ERK2  44/42KDa

70KDa
55 KDa
40 KDa
ERK ERK1/ERK2  44/42KDa

52 KDa
α-tubulin 52 KDa

D4F (1mg/kg)  -  -  -  +  +  +
Raw data for WB of figure 2 E

HIF-1α 92 KDa

p-Akt 56 KDa

Akt 60 KDa

p-ERK p-ERK1/p-ERK2 44/42KDa

ERK ERK1/ERK2 44/42KDa

α-tubulin 52 KDa

D4F (1mg/kg) - - - + + +
Raw data for WB of figure 5 A

HIF-1α 92 KDa (Predicted band size 120 KDa)

p-Akt 56 KDa

Akt 60 KDa

p-ERK p-ERK1/p-ERK2 44/42 KDa

ERK ERK1/ERK2 44/42 KDa

β-actin 43 KDa
Raw data for WB of figure 6 A

- **HIF-1α**: 92 KDa (Predicted band size 120 KDa)
- **p-Akt**: 56 KDa
- **Akt**: 60 KDa
- **p-ERK**: p-ERK1/p-ERK2 44/42 KDa
- **ERK**: ERK1/ERK2 44/42 KDa
- **β-actin**: 43 KDa

Concentrations (μg/mL)
Raw data for WB of figure 7 A

- **HIF-1α 92 KDa** (Predicted band size 120KDa)
- **p-Akt 56 KDa**
- **Akt 60 KDa**
- **p-ERK  p-ERK1/p-ERK2  44/42KDa**
- **ERK ERK1/ERK2  44/42KDa**
- **β-actin 43 KDa**
Raw data for WB of Supplementary Figure 2 A

- 100KDa
- 70KDa
- 55 KDa
- 40 KDa
- 52 KDa

- p-Akt 56 KDa
- p-ERK  p-ERK1/p-ERK2  44/42KDa
- α-tubulin 52 KDa

D4F (1mg/kg) - - - + + +

Raw data for WB of Supplementary Figure 2 D

- 100 KDa
- 70 KDa
- 55 KDa
- 40 KDa
- 70 KDa
- 55 KDa

- p-Akt 56 KDa
- p-ERK  p-ERK1/p-ERK2  44/42KDa
- α-tubulin 52 KDa

D4F (1mg/kg) - - - + + +
Raw data for WB of Supplementary Figure 3 A

- **p-Akt**: 56 KDa
- **p-ERK**: 44/42 KDa
- **β-actin**: 43 KDa

Time (min): 0 sL-4F 5 15 30 60
Raw data for WB of Supplementary Figure 4 A

Concentrations (μg/mL) 0  sL-4F  10  30  50  100

- p-Akt 56 KDa
- p-ERK  p-ERK1/p-ERK2 44/42KDa
- β-actin 43 KDa
Raw data for WB of Supplementary Figure 5 A

**Inhibitors**

control  sL-4F  L-4F  PD  LY
98059  294002

**p-Akt 56 KDa**

**p-ERK p-ERK1/p-ERK2  44/42KDa**

**β-actin 43 KDa**