Full unedited gels for Fig. 8B and Supplemental Fig. 4A, B

| Insulin(min) | 0 | 5 | 30 |
|--------------|---|---|----|
| Blot #1      |   |   |    |
| HBM          | - | + | -  |
| 75 KDa       | - | + | -  |
| 50 KDa       | - | + | -  |
| 37 KDa       | - | + | -  |
| Blot #2      |   |   |    |
| HBM          | - | + | -  |
| 75 KDa       | + | - | -  |
| 50 KDa       | - | + | -  |
| 37 KDa       | - | + | -  |
| Blot #3      |   |   |    |
| HBM          | - | + | -  |
| 75 KDa       | - | + | -  |
| 50 KDa       | - | + | -  |
| 37 KDa       | - | + | -  |
Full unedited gels for Fig. 8B and Supplemental Fig. 4A, B

### Blot #1

| Insulin (min) | 0 | 5 | 30 |
|---------------|---|---|----|
| HBM           | - | + | -  |
| 75 KDa        | - | - | +  |
| 50 KDa        | + | - | +  |
| 37 KDa        | - | - | +  |

### Blot #2

| Insulin (min) | 0 | 5 | 30 |
|---------------|---|---|----|
| HBM           | + | - | -  |
| 75 KDa        | + | - | -  |
| 50 KDa        | - | + | +  |
| 37 KDa        | - | - | +  |

### Blot #3

| Insulin (min) | 0 | 5 | 30 |
|---------------|---|---|----|
| HBM           | + | - | -  |

AKT

- 75 KDa
- 50 KDa
- 37 KDa
Full unedited gels for Fig. 8B and Supplemental Fig. 4A, B

| Insulin(min) | 0   | 5   | 30  |
|--------------|-----|-----|-----|
| HBM          |     |     |     |
| 75 KDa       |     |     |     |
| 50 KDa       |     |     |     |
| 37 KDa       |     |     |     |

GAPDH

| Insulin(min) | 0   | 5   | 30  |
|--------------|-----|-----|-----|
| HBM          |     |     |     |
| 75 KDa       |     |     |     |
| 50 KDa       |     |     |     |
| 37 KDa       |     |     |     |
Full unedited gels for Supplemental Fig. 4C

- **pAkt**
  - WT_05
  - HBM_04
  - 65 kDa
  - 50 kDa
  - 37 kDa

- **Akt**
  - 65 kDa
  - 50 kDa
  - 37 kDa

- **Actin**
  - 65 kDa
  - 50 kDa
  - 37 kDa