Skeletal Muscle Cells

Primary Skeletal Muscle Cells (SkMC)
- Skeletal Muscle Cells (H, Cn, F, R, Rb)
- Skeletal Muscle Cells, Pre-Screened (H)

Prescreened HSkMC:
- (P)-IRS-1
- IRS-1
- (P)-Akt
- Akt
- (P)-p70S6K
- p70S6K
- (P)-MAPK
- MAPK
- (P)-GSK3β
- GSK3β

(Lef t panel) Response of Human Skeletal Muscle Cells to insulin signaling leading to phosphorylation of IRS-1, Akt, GSK-3β, MAPK/ERK and p70S6K.
(Right panel) Response of Human Skeletal Muscle Cells to forced activation of AMPK, leading to phosphorylation of Acetyl CoA carboxylase (ACC).

20 published studies on:
- Muscular function and disease
- Mitochondrial myopathy
- Glucose metabolism and diabetes
- Cancerogenesis
- Cell signaling
- Drug discovery

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