

Supplemental
Table 1.

Insulin-stimulated Increases above Basal Values

	Epitrochlearis				Soleus				
	1.2 nM		30 nM		1.2 nM		30 nM		
	AL	CR	AL	CR	AL	CR	AL	CR	
2DG Uptake	0.087 ± 0.013	0.183 ± 0.026*	0.180 ± 0.010	0.273 ± 0.022*	2DG Uptake	0.151 ± 0.024	0.270 ± 0.035*	0.344 ± 0.036	0.450 ± 0.043
pIR	0.125 ± 0.016	0.154 ± 0.047	0.633 ± 0.027	1.00 ± 0.051*	pIR	0.108 ± 0.027	0.237 ± 0.073	0.741 ± 0.104	1.081 ± 0.098*
PI3K activity	0.703 ± 0.428	0.890 ± 0.510	0.815 ± 0.967	1.607 ± 1.467	PI3K activity	0.387 ± 0.212	0.314 ± 0.206	1.784 ± 0.522	1.863 ± 0.463
aPKC activity	991 ± 112	1133 ± 137	1807 ± 83	2395 ± 342	aPKC activity	923 ± 83	754 ± 182	1775 ± 169	2366 ± 187*
pAkt^{Thr308}	0.081 ± 0.011	0.376 ± 0.048*	0.672 ± 0.169	1.534 ± 0.044*	pAkt^{Thr308}	0.119 ± 0.046	0.366 ± 0.086*	0.587 ± 0.070	1.262 ± 0.053*
pAkt^{Ser473}	0.030 ± 0.008	0.611 ± 0.180*	0.239 ± 0.037	1.470 ± 0.075*	pAkt^{Ser473}	0.123 ± 0.022	0.221 ± 0.037*	0.674 ± 0.083	1.255 ± 0.087*
pAkt1^{Thr308}	0.135 ± 0.038	0.334 ± 0.282*	0.385 ± 0.021	1.548 ± 0.038*	pAkt1^{Thr308}	0.215 ± 0.059	0.405 ± 0.075	0.471 ± 0.087	1.379 ± 0.087*
pAkt1^{Ser473}	0.229 ± 0.062	0.624 ± 0.059*	0.712 ± 0.061	1.181 ± 0.082*	pAkt1^{Ser473}	0.213 ± 0.048	0.512 ± 0.094*	0.581 ± 0.107	1.374 ± 0.121*
pAkt2^{Thr308}	0.162 ± 0.041	0.861 ± 0.246*	0.421 ± 0.088	1.490 ± 0.074*	pAkt2^{Thr308}	0.111 ± 0.023	0.338 ± 0.077*	0.695 ± 0.077	1.035 ± 0.083*
pAkt2^{Ser473}	0.223 ± 0.082	0.683 ± 0.032*	0.729 ± 0.091	1.210 ± 0.045*	pAkt2^{Ser473}	0.397 ± 0.062	0.564 ± 0.059	0.838 ± 0.061	1.026 ± 0.082*
PAS-160	0.286 ± 0.049	0.617 ± 0.118*	0.738 ± 0.069	0.550 ± 0.106	PAS-160	0.474 ± 0.074	0.370 ± 0.093	0.816 ± 0.078	0.681 ± 0.087
pAS160^{Thr642}	0.398 ± 0.060	0.595 ± 0.106	0.779 ± 0.099	0.519 ± 0.090	pAS160^{Thr642}	0.385 ± 0.193	0.545 ± 0.330	0.699 ± 0.143	0.657 ± 0.112
pAS160^{Ser588}	0.111 ± 0.109	0.517 ± 0.113*	0.501 ± 0.135	0.750 ± 0.089	pAS160^{Ser588}	0.461 ± 0.190	0.450 ± 0.069	0.454 ± 0.180	0.561 ± 0.150
PAS-150	0.179 ± 0.163	0.511 ± 0.139	0.407 ± 0.148	0.496 ± 0.111	PAS-150	0.326 ± 0.094	0.247 ± 0.051	0.371 ± 0.133	0.435 ± 0.089

The insulin stimulated increase (Δ -insulin values) for 2-DG uptake and insulin signaling molecules calculated by subtracting the value of the 0 nM group from the values of 1.2 nM and 30 nM insulin for each rat. n=8-14 per group. *P < 0.05, CR versus AL in the same insulin treatment group.