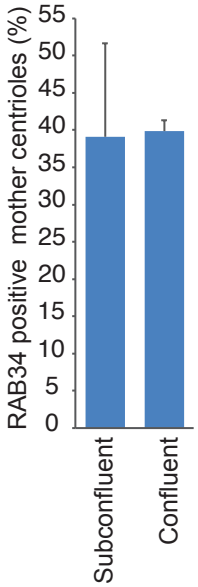
A



B Statistical analysis for the data shown in Fig.3B

	P Value
MYO5A (-) RAB34(-)	
Confluent vs. 3 h	0.1284
Confluent vs. 6 h	<0.0001
3 h vs. 6 h	0.0005
MYO5A (-) RAB34 (+)	
Confluent vs. 3 h	0.5404
Confluent vs. 6 h	0.559
3 h vs. 6 h	0.9995
MYO5A (+) RAB34 (-)	
Confluent vs. 3 h	0.2789
Confluent vs. 6 h	0.9524
3 h vs. 6 h	0.1707
MYO5A (+) RAB34 (+)	
Confluent vs. 3 h	0.0478
Confluent vs. 6 h	<0.0001
3 h vs. 6 h	0.0403

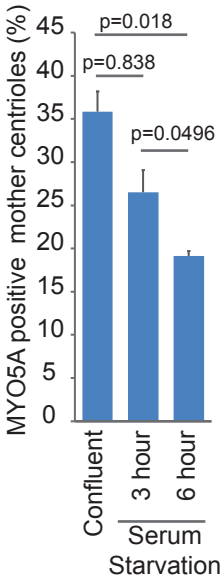
C Statistical analysis for the data shown in Fig.3C

	P Value
EHD1(-) RAB34(-)	
Confluent vs. 3 h	0.0003
Confluent vs. 6 h	<0.0001
3 h vs. 6 h	0.6638
EHD1 (-) RAB34 (+)	
Confluent vs. 3 h	<0.0001
Confluent vs. 6 h	<0.0001
3 h vs. 6 h	0.0664
EHD1 (+) RAB34 (-)	
Confluent vs. 3 h	0.9262
Confluent vs. 6 h	0.9474
3 h vs. 6 h	0.998
EHD1 (+) RAB34 (+)	
Confluent vs. 3 h	0.7004
Confluent vs. 6 h	0.0846
3 h vs. 6 h	0.3419

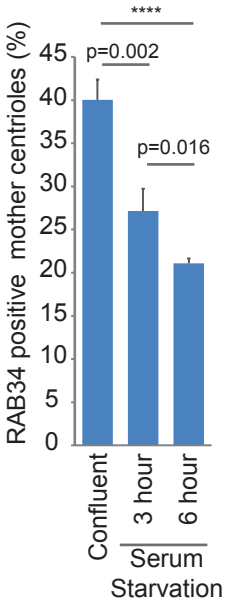
D Statistical analysis for the data shown in Fig.3D

	P Value
PACSIN2(-) RAB34(-)	
Confluent vs. 3 h	0.0369
Confluent vs. 6 h	0.9261
3 h vs. 6 h	0.016
PACSIN2(-) RAB34 (+)	
Confluent vs. 3 h	0.0004
Confluent vs. 6 h	0.0012
3 h vs. 6 h	0.8925
PACSIN2(+) RAB34 (-)	
Confluent vs. 3 h	0.9869
Confluent vs. 6 h	0.0328
3 h vs. 6 h	0.0233
PACSIN2(+) RAB34 (+)	
Confluent vs. 3 h	0.1221
Confluent vs. 6 h	0.2045
3 h vs. 6 h	0.9548

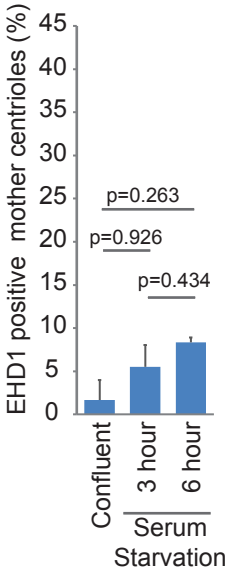
E MYO5A



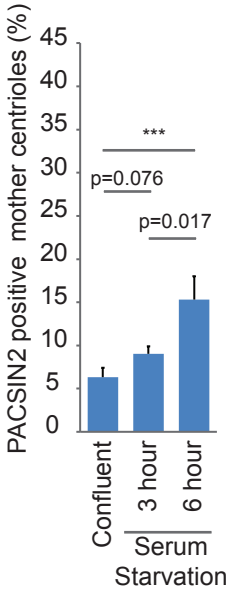
F RAB34



G EHD1



H PACSIN2



Kanie et al., Figure 3-figure supplement 2