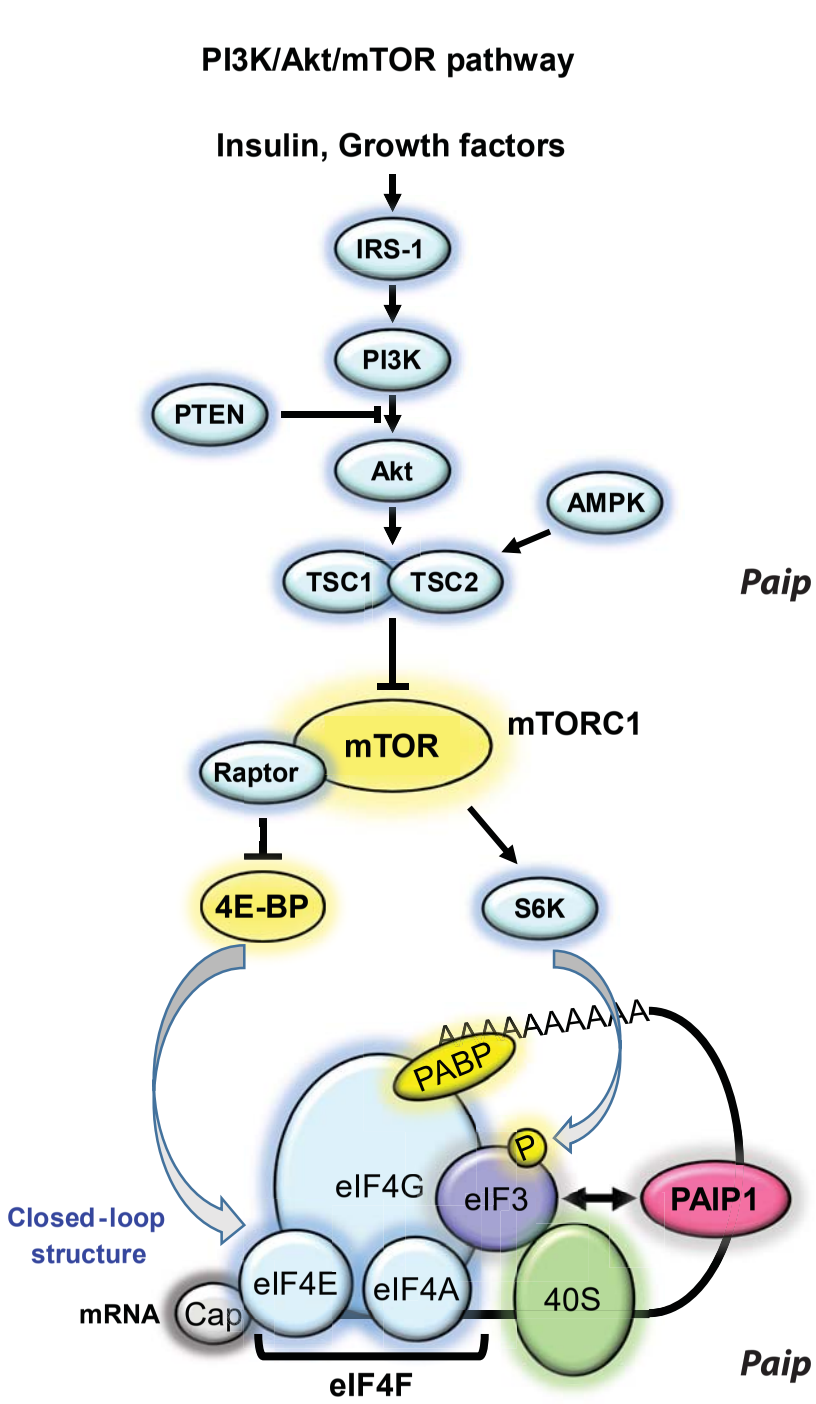
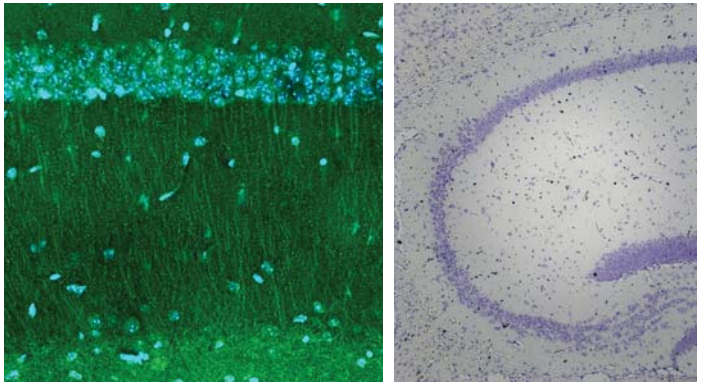
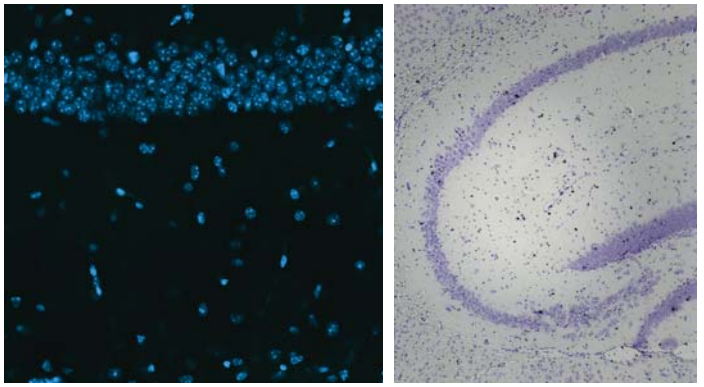
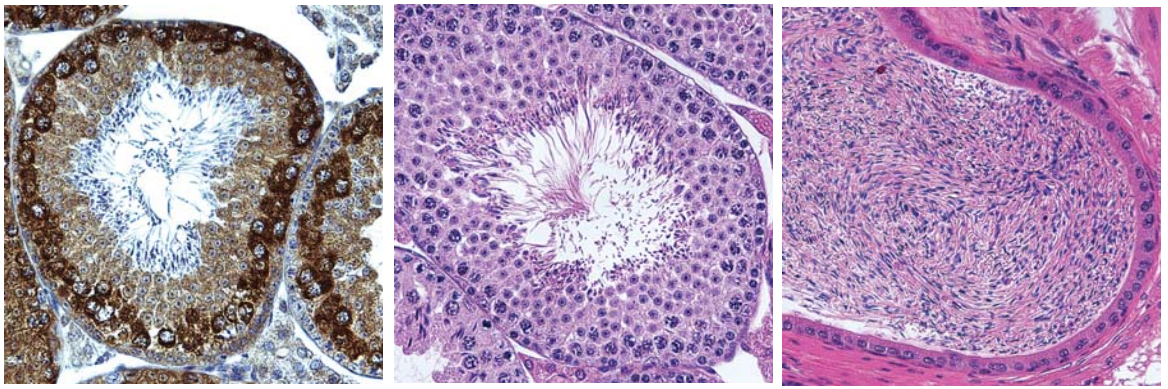

PI3K/Akt/mTOR pathway
Insulin, Growth factors
IRS-1
PI3K
PTEN
Akt
AMPK
TSC1
TSC2
mTOR
mTORC1
Raptor
4E-BP
S6K
AAAAAAAAAA
PABP
P
eIF4G
eIF3
PAIP1
Closed-loop structure
mRNA
Cap
eIF4E
eIF4A
40S
eIF4F


WT


Paip1-KO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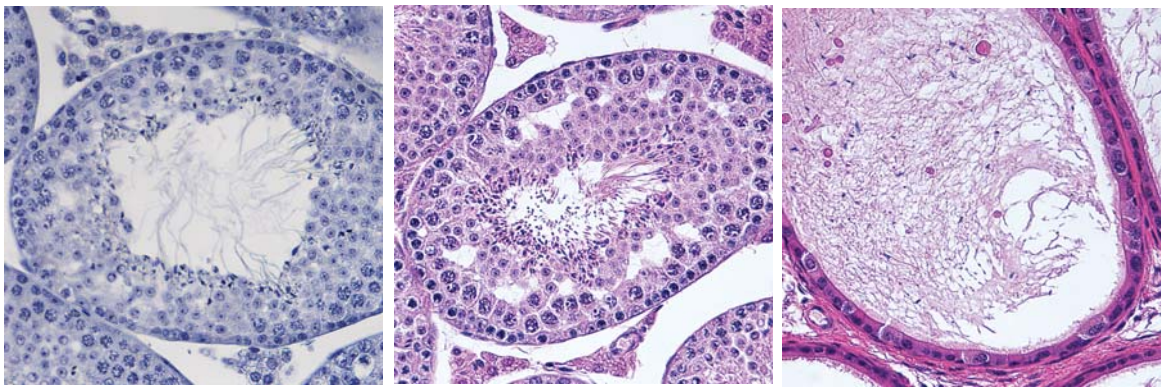
Paip1-KO