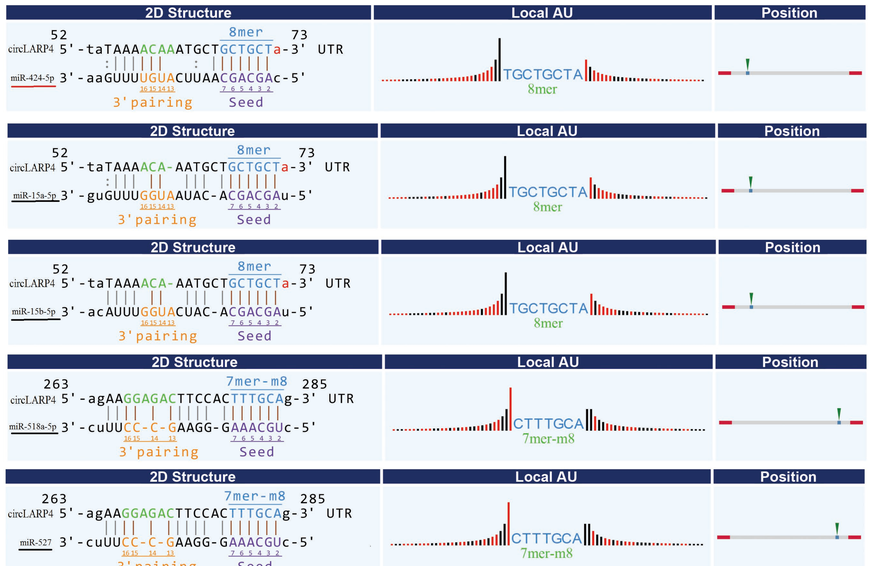
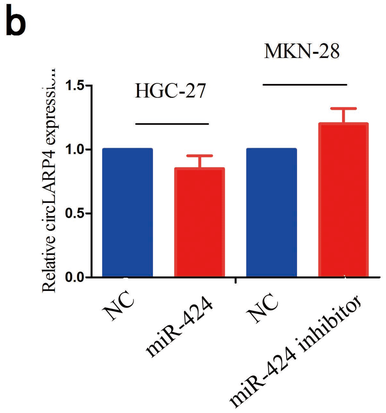
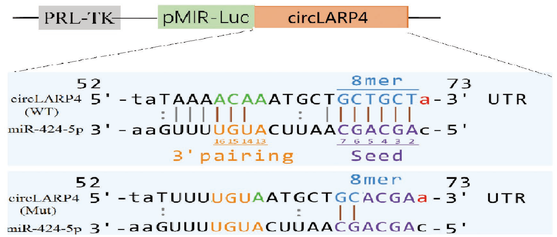
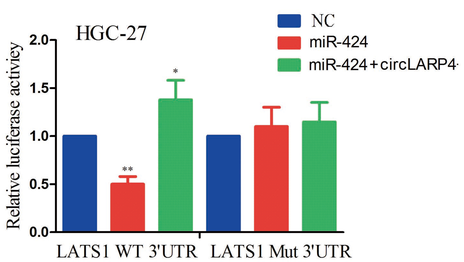
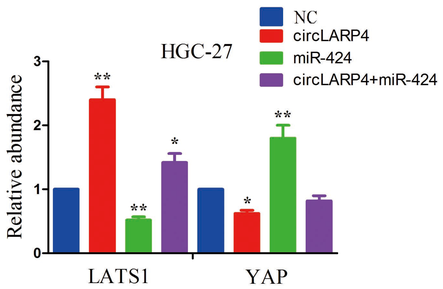
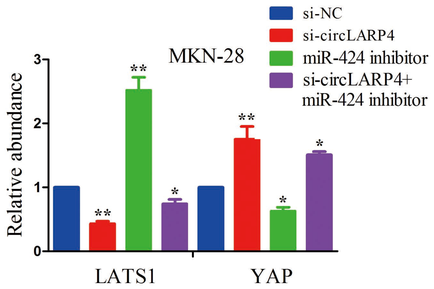

a
2D Structure
Local AU
Position
circLARP4 5'-taTAAAACAAATGCTGCTGCTa-3' UTR
miR-424-5p 3'-aaGUUUUGUACUUAACGACGAc-5'
3'pairing
Seed
8mer
circLARP4 5'-taTAAAACA-AATGCTGCTGCTa-3' UTR
miR-15a-5p 3'-guGUUUGGUAAUAC-ACGACGAu-5'
circLARP4 5'-taTAAAACA-AATGCTGCTGCTa-3' UTR
miR-15b-5p 3'-acAUUUGGUACUAC-ACGACGAu-5'
circLARP4 5'-agAAGGAGACTTCCACTTTGCAg-3' UTR
miR-518a-5p 3'-cuUUCC-C-GAAGG-GAAACGUc-5'
7mer-m8
circLARP4 5'-agAAGGAGACTTCCACTTTGCAg-3' UTR
miR-527 3'-cuUUCC-C-GAAGG-GAAACGUc-5'

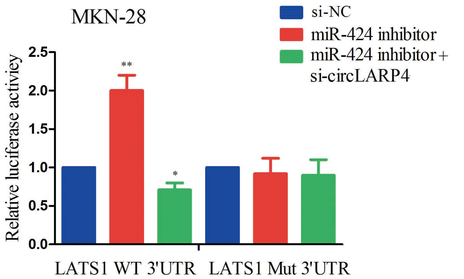

b
HGC-27
MKN-28
Relative circLARP4 expressi...
NC
miR-424
NC
miR-424 inhibitor


c
PRL-TK
pMIR-Luc
circLARP4
circLARP4 (WT) 5'-taTAAAACAAATGCTGCTGCTa-3' UTR
miR-424-5p 3'-aaGUUUUGUACUUAACGACGAc-5'
3'pairing
Seed
8mer
circLARP4 (Mut) 5'-taTUUUUGUAATGCTGCACGAa-3' UTR
miR-424-5p 3'-aaGUUUUGUACUUAACGACGAc-5'


e
HGC-27
NC
miR-424
miR-424+circLARP4
Relative luciferase activiey
LATS1 WT 3'UTR
LATS1 Mut 3'UTR


d
HGC-27
NC
circLARP4
miR-424
circLARP4+miR-424
Relative abundance
LATS1
YAP


MKN-28
si-NC
si-circLARP4
miR-424 inhibitor
si-circLARP4+
miR-424 inhibitor
Relative abundance
LATS1
YAP


f
MKN-28
si-NC
miR-424 inhibitor
miR-424 inhibitor+
si-circLARP4
Relative luciferase activiey
LATS1 WT 3'UTR
LATS1 Mut 3'UTR