读 书 报 告

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RESEARCH ARTICLE

Orexin A affects HepG2 human hepatocellular carcinoma cells glucose metabolism via HIF-1α-dependent and -independent mechanism

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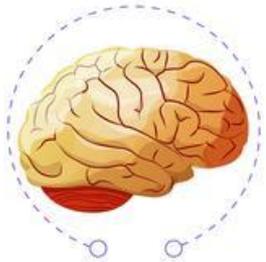
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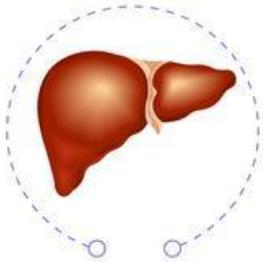
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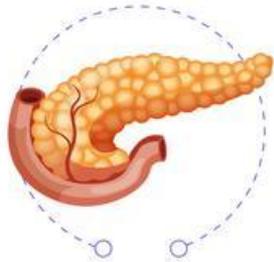
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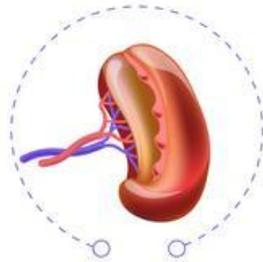
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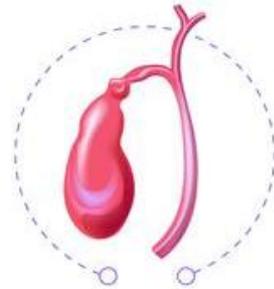
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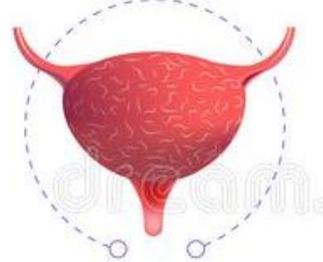
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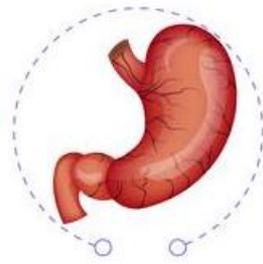
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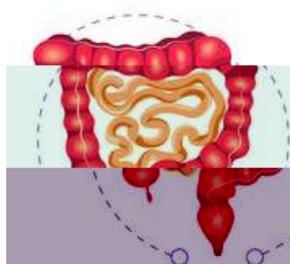
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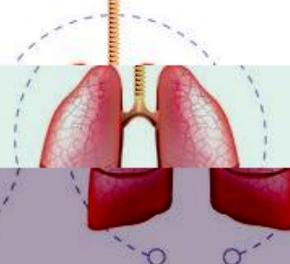
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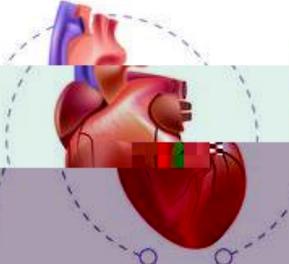
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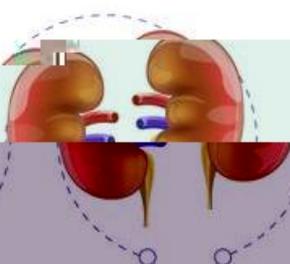
KIDNEYS

-1 (HIF-1)

HIF-1　　HIF-1α　HIF-1β

HIF-1β
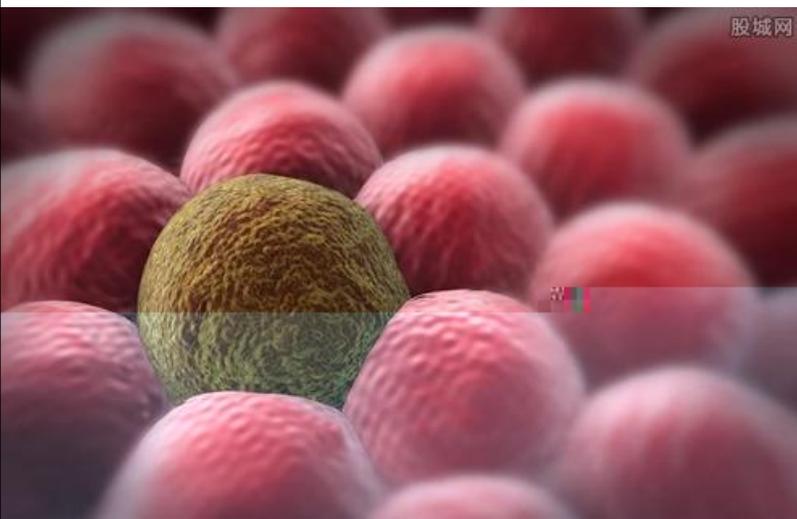
HIF-1　HIF-1　　　　　　　　　(HRG

HIF-1　　　　　GLUT1

HIF-1

"

"

－目的与意义

WB

WB   q-PCR

WB

q-PCR,Lactic kit ,PDH kit

OX1R HepG2

Orexin A   OX1R   Akt   mTOR   Orexin A

mTOR / PI3K / Akt   HepG2   HIF-1α

A   GLUT1   54 kDa   B

ß-action
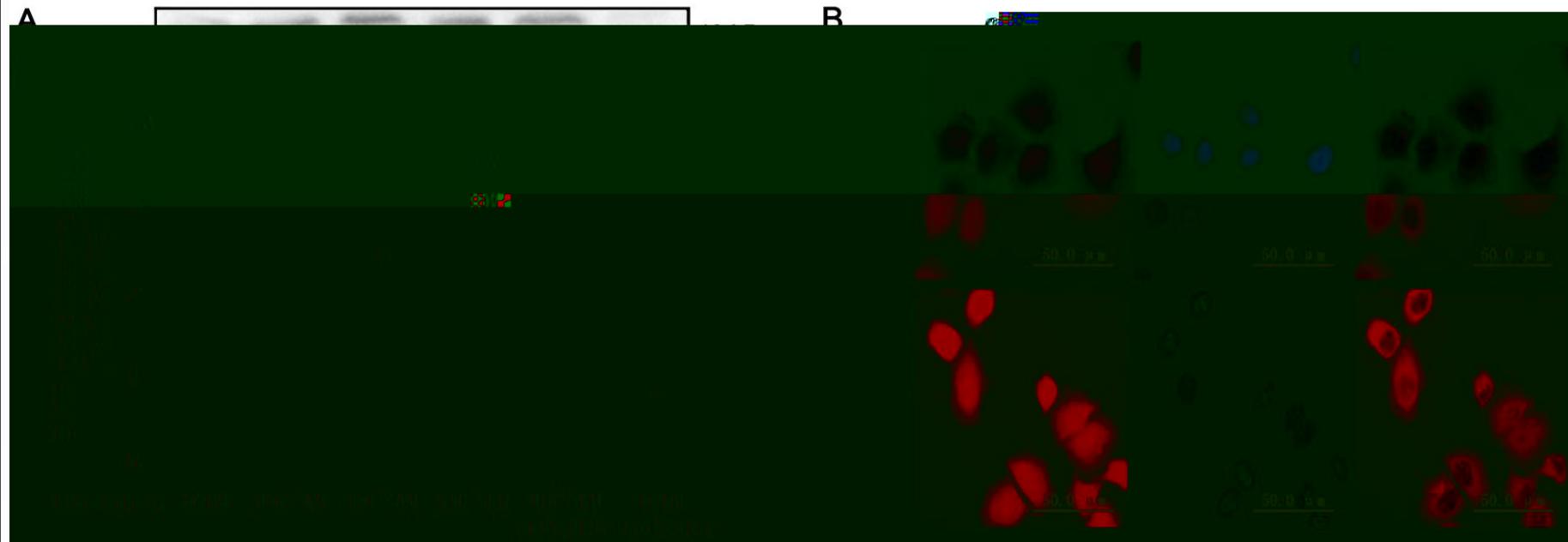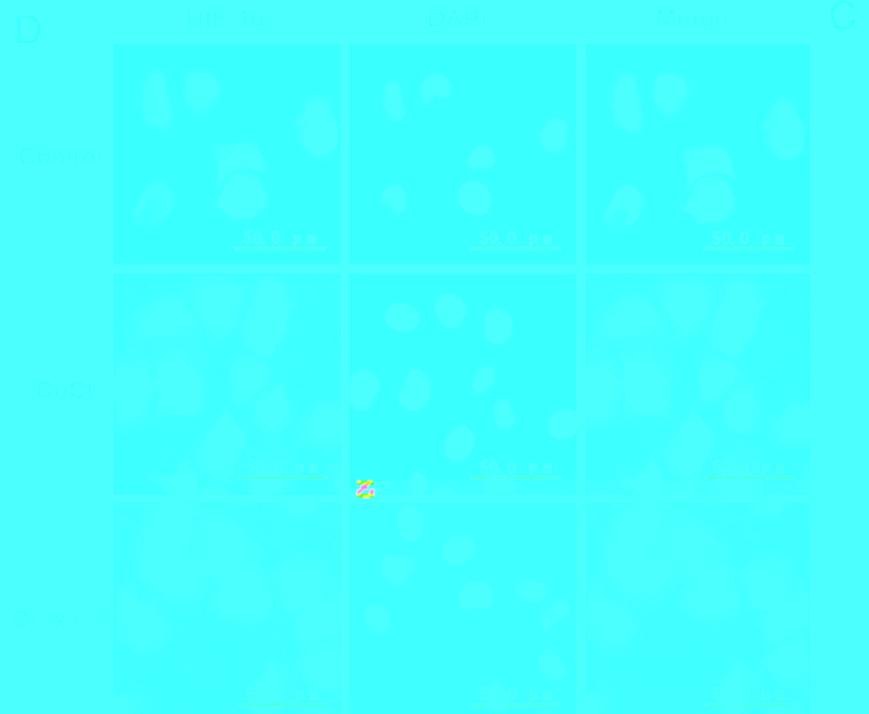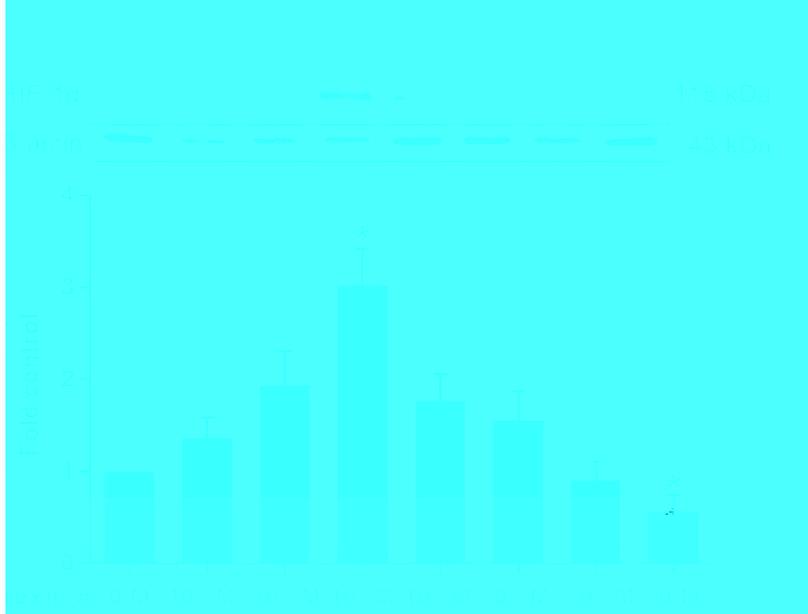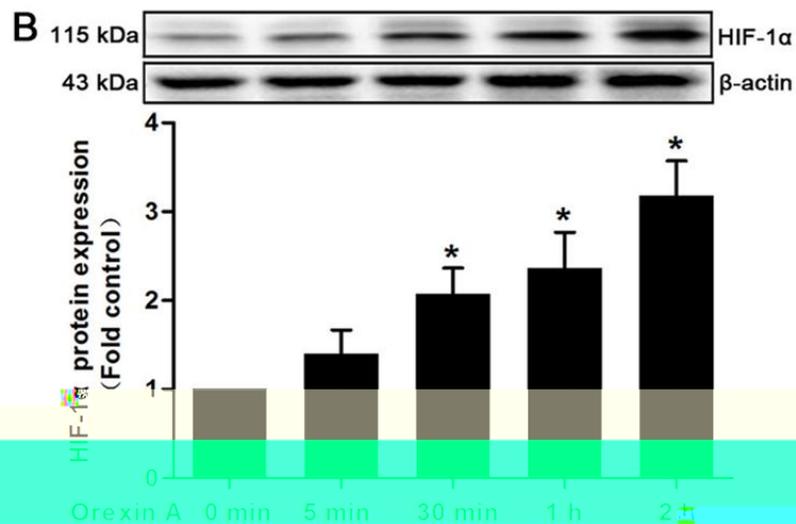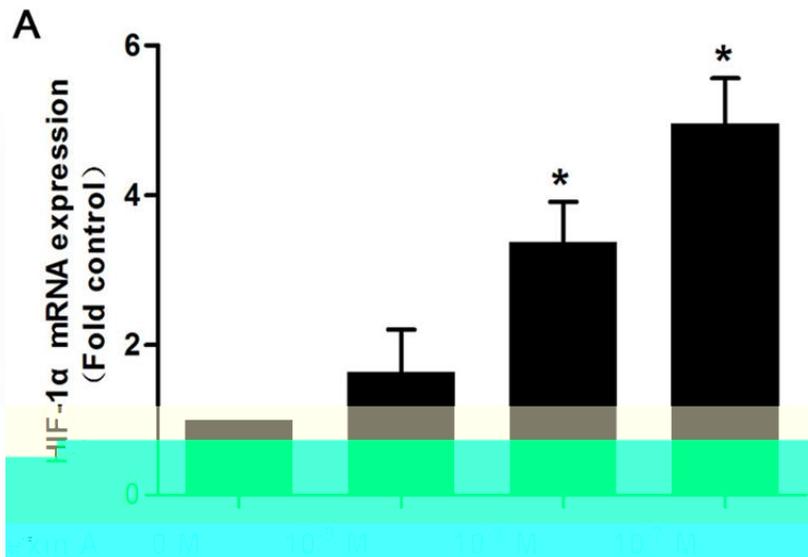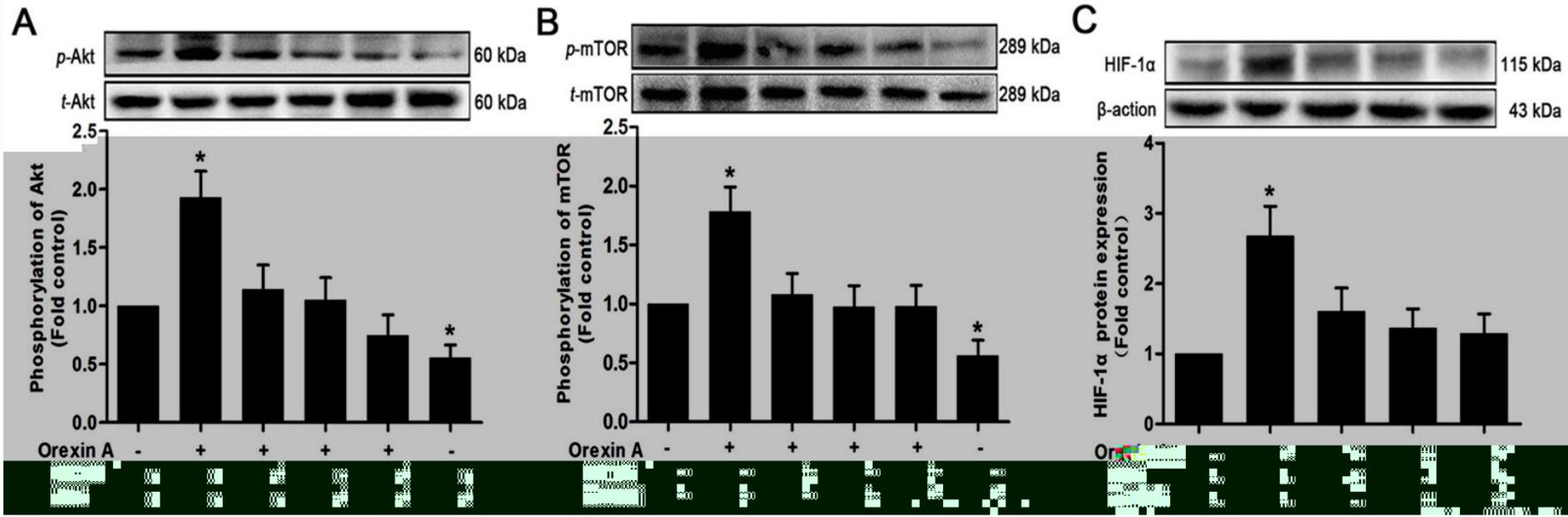
OxA   OX1R   mTOR / PI3K / Akt   GLUT1
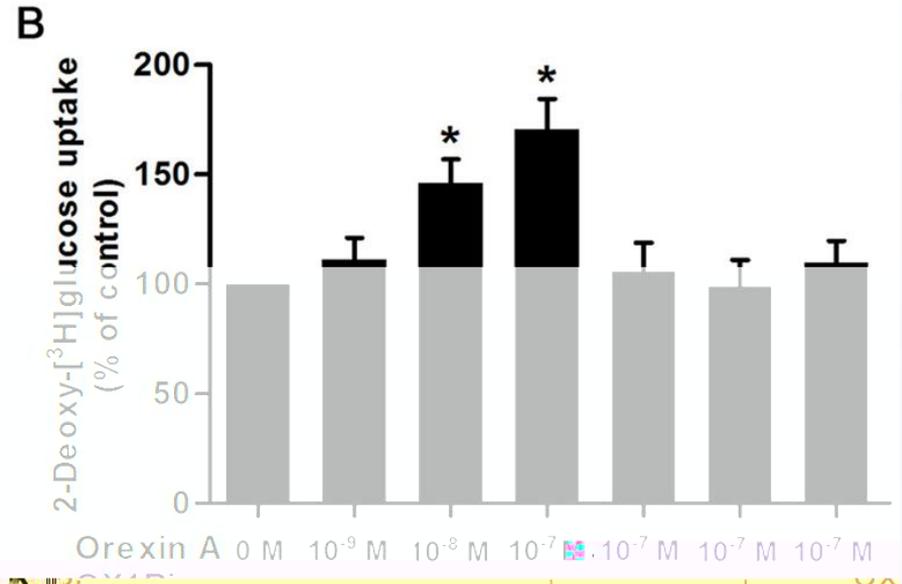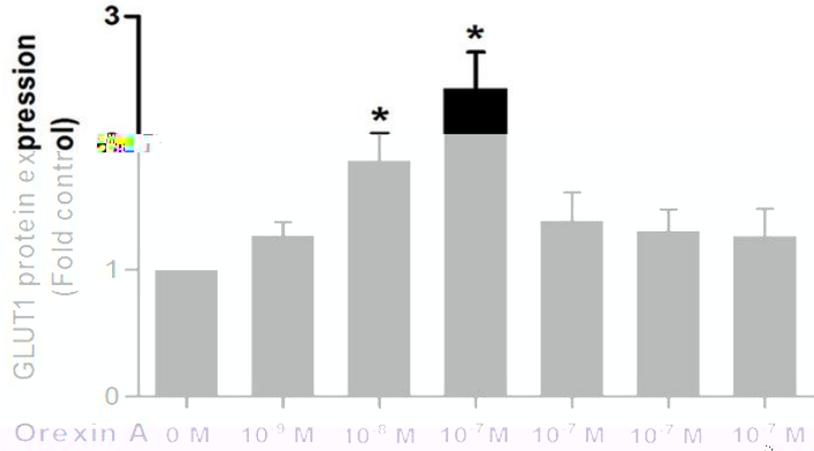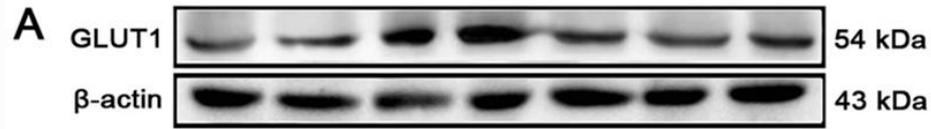
OxA　OX1R　　　　　HIF-1α　　GLUT1

LDHA: ,

PDHB: ,   CoA

OxA   HepG2

OA

,OxA   HIF-1α   mRNA

HIF-1α   OxA   HIF-1α

mTOR / PI3K / Akt

HIF-1α   OxA   GLUT1   ATP

OxA   HIF-1α

A
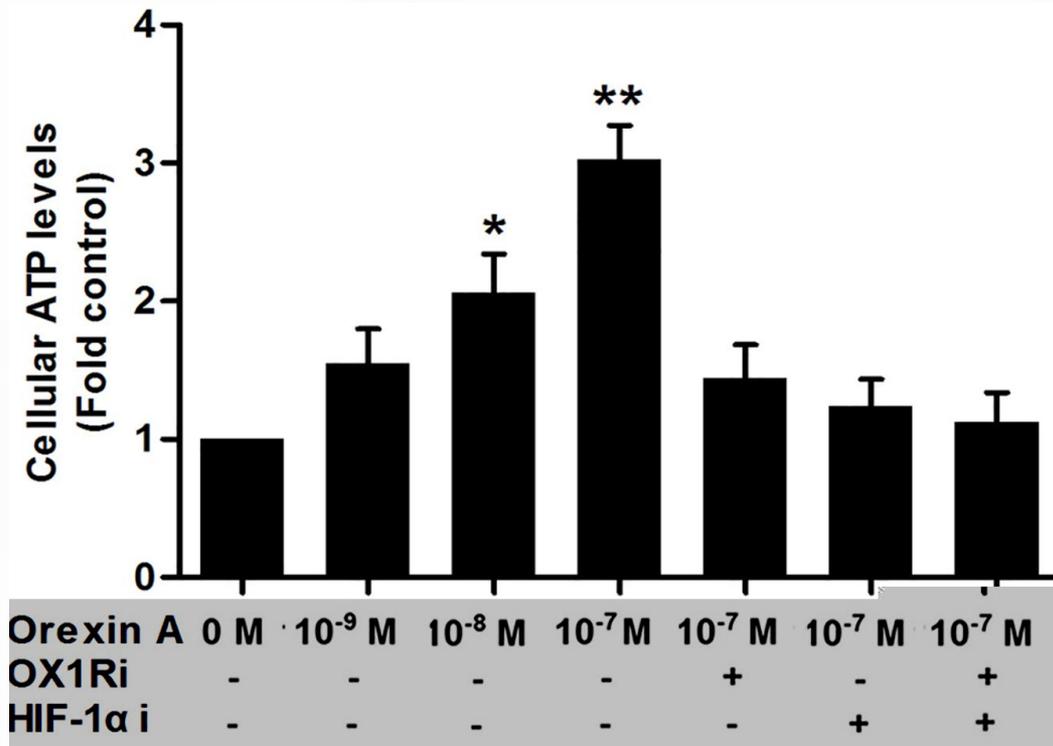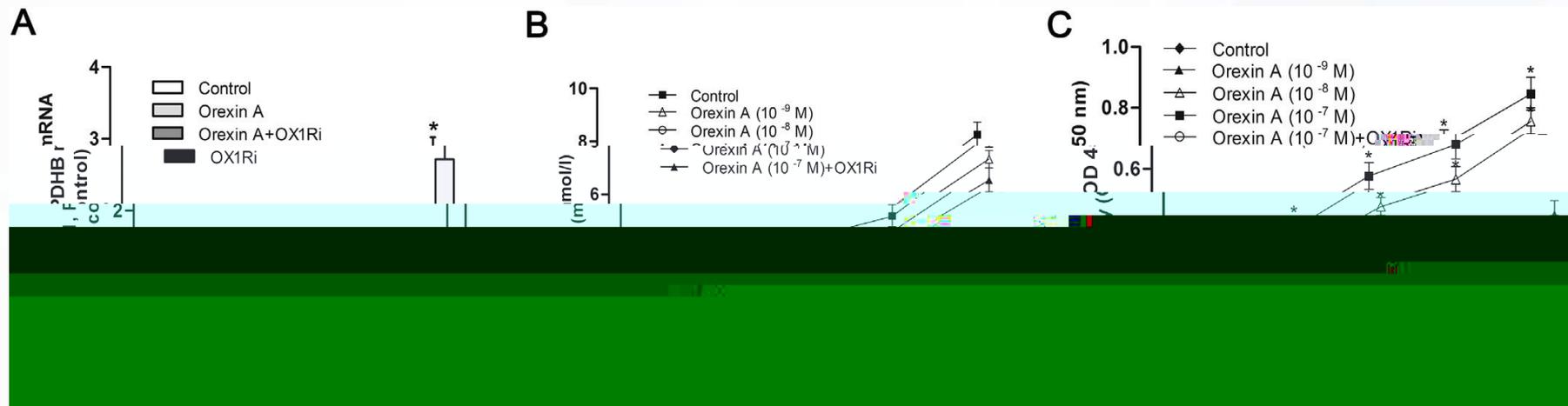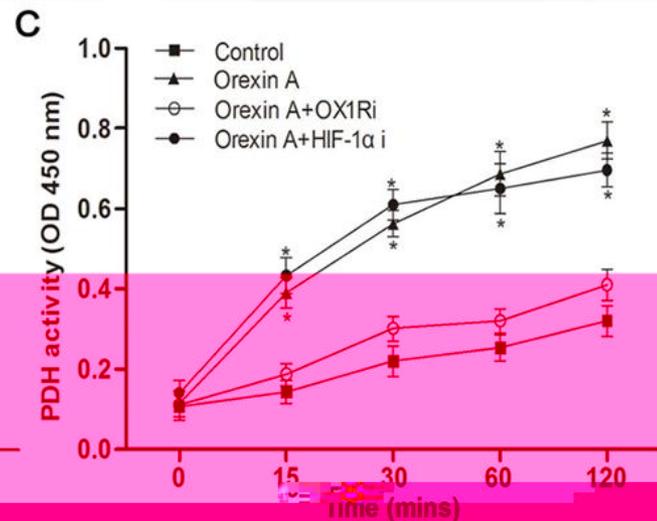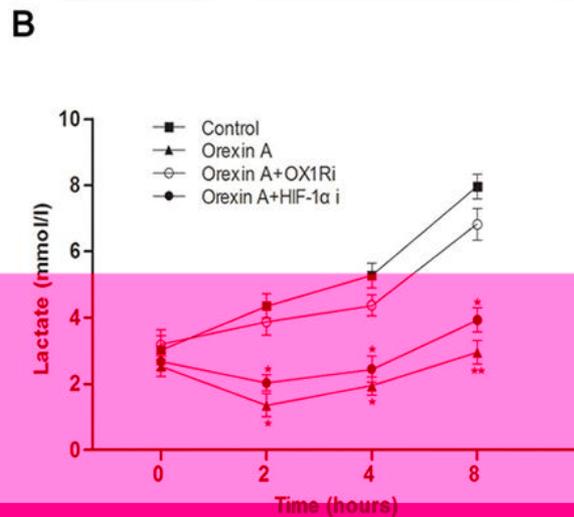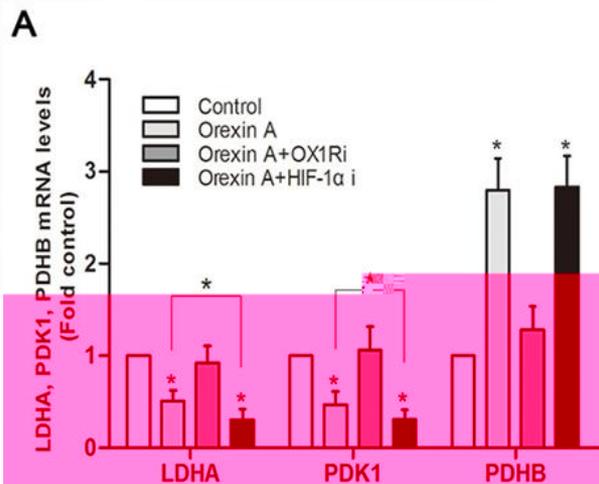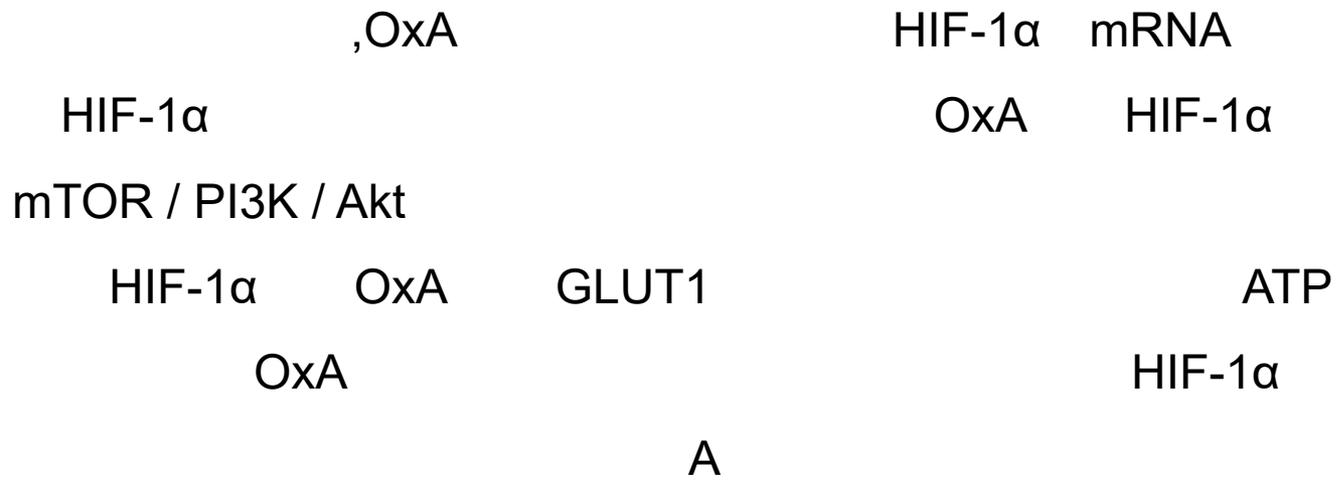
THANK YOU FOR YOUR WATCHING