Cat: (ABCAM) ab278545
Blocking: 5% BSA, 1h
First Antibody: Anti-p- P13K (1:1000), 4℃, 过夜
Second Antibody: HRP标记山羊抗兔 (1:5000) IgG(H+L), 1h
Exposure time: 1s, 3s, 10s, 30s, 60s.
Cat:（CST）13038S
Blocking: 5%BSA, 1h
First Antibody: Anti- p-AKT (1:1000), 4℃, 过夜
Second Antibody: HRP标记山羊抗兔(1:5000)IgG(H+L), 1h
Exposure time: 1s, 3s, 10s, 30s, 60s.
Cat: (CST) 9272S
Blocking: 5% BSA, 1h
First Antibody: Anti- AKT (1:1000), 4℃，过夜
Second Antibody: HRP标记山羊抗兔 (1:5000) IgG(H+L), 1h
Exposure time: 1s, 3s, 10s, 30s, 60s.
Cat: (CST) 5174T
Blocking: 5% BSA, 1h
First Antibody: Anti-GAPDH (1:1000), 4°C, 过夜
Second Antibody: HRP标记山羊抗兔（1:5000）IgG(H+L), 1h
Expoure time: 1s, 3s, 10s, 30s, 60s.
Cat: (CST) 4695S
Blocking: 5%BSA, 1h
First Antibody: ERK1/2 (1:1000), 4°C, 过夜
Second Antibody: HRP标记山羊抗兔
(1:5000)IgG(H+L), 1h
Exposure time: 1s, 3s, 10s, 30s, 60s.
Cat: (CST) 9152S
Blocking: 5% BSA, 1h
First Antibody: Anti-MKK4 (1:1000), 4°C, 过夜
Second Antibody: HRP标记山羊抗兔 (1:5000) IgG(H+L), 1h
Expoure time: 1s, 3s, 10s, 30s, 60s.
Cat: (CST) 9151S
Blocking: 5%BSA, 1h
First Antibody: p-MKK4(1:1000), 4℃, 过夜
Second Antibody: HRP标记山羊抗兔
(1:5000) IgG(H+L), 1h
Expoure time: 1s, 3s, 10s, 30s, 60s.
Cat:（CST）5174T
Blocking: 5%BSA, 1h
First Antibody: GAPDH (1:1000), 4℃，过夜
Second Antibody: HRP标记山羊抗兔
(1:5000)IgG(H+L), 1h
Expoure time: 1s, 3s, 10s, 30s, 60s.
fig 4b- control
fig 4b- hpv
fig 6a-ct.hpv
fig 6a-ct
fig 6a-hpv
[P1] CD3 FITC-A / CD8 APC-Cy7-A

- D--: 17.05%
- D++: 26.63%
- D-+: 42.00%
- D+-: 14.32%

CD8 APC-Cy7-A vs. CD3 FITC-A
[P1] CD3 FITC-A / CD4 PE-Cy7-A

C-+: 0.32%
C++: 21.74%

C--: 58.12%
C+-: 19.82%

fig 6b-Ct 1
fig 6b-Ct 2
fig 6b-Ct.HPV 1
[P1] CD3 FITC-A / CD8 APC-Cy7-A

D-+: 2.95%
D++: 14.09%

D--: 67.90%
D+-: 15.06%

CD8 APC-Cy7-A

CD3 FITC-A

fig 6b-Ct.HPV 2
[P1] CD3 FITC-A / CD4 PE-Cy7-A

C-+: 0.11%
C++: 12.25%
C-+-: 69.59%
C+++: 18.05%

fig 6b-hpv 1
[P1] CD3 FITC-A / CD8 APC-Cy7-A

D-++: 29.93%

D++: 17.89%

D--: 39.82%

D+-: 12.36%

fig 6b-hpv 2