

## YAP1 Recombinant antibody

**Cat:**B25001R

**Company:** HaoKebio

**Uniprot ID:**P46937

**Applications:** IHC:1:200-1:2000

**Organism:**Rabbit

IHC-Polymer:1:800-1:8000

**Species reactivity:**Human Mouse

IHC-TSA:1:1000-1:10000

**Molecular Weight Calculation:**55 kDa

IF:1:50-1:100

**Observed Molecular Weight:**70-75 kDa

WB:1:1000

### Background:

Yes-associated protein 1, 65kDa

Yes-associated protein 1 (YAP1) is a transcriptional regulator which can act both as a coactivator and a corepressor and is the critical downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Plays a key role to control cell proliferation in response to cell contact. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. The presence of TEAD transcription factors are required for it to stimulate gene expression, cell growth, and storage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3). Increased expression seen in some liver and prostate cancers. Isoforms lacking the transactivation domain found in striatal neurons of patients with Huntington disease (at protein level). It is activated by phosphorylation and degraded by ubiquitination. This antibody is a rabbit polyclonal antibody. The calculated molecular weight of YAP1 is 54 kDa, but routinely observed at 65-75 kDa by Western Blot.

### Synonyms:

Yes-associated protein 1, yes associated protein 1, YAP, Transcriptional coactivator YAP1, Protein yorkie homolog

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

### Storage:

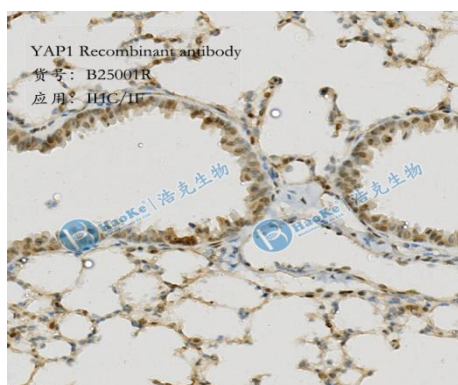
Store at -20 °C for one year.

### Experimental procedure:

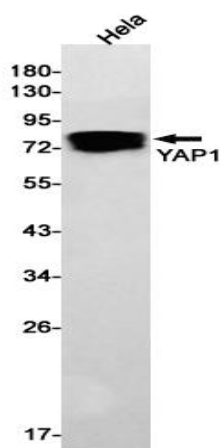
Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:

### Protein full name:



Sample: Mouse lungs, 4% PFA 12-24h



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

#### Source of Reagents:

发表[中文论文]请标注:YAP1(B25001R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:YAP1(B25001R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.