

# Recombinant Human YAP1 protein ab132459

[1 References](#) [1 图像](#)

### 描述

产品名称	重组人YAP1蛋白
表达系统	Wheat germ
Accession	<b><u>P46937</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

序列	MDPGQQPPPQPAPQGQQPPSQPPQGQPPSGPGQPAPAATQ AAPQAPPA GHQIVHVRGDSETDLEALFNAVMNPKTANVPQTVPMRLRKL DSFFKPPE PKSHSRQASTDAGTAGALTPQHVRHSSPASLQLGAVSPGTL TPTGVVSG PAATPTAQHLRQSSFEIPDDVPLPAGWEMAKTSSGQRYFLNH IDQTTTWQ DPRKAMLSQMNVTAPTSPPVQQNMMNSASGPLPDGWEQAMTQ DGEIYYIN HKNKTTSWLDPRLDPRFAMNQRISQSAPVKQPPPLAPQSPQG GVMGGSNS NQQQMRLQLQMEKERLRKQELLRQAMRNINPSTANSPK CQELALRS QLPTLEQDGGTQNPVSSPGMSQELRTMTTNSSDPFLNSGTYH SRDESTDS GLSMSSYSVPRTPDDFLNSVDEMDTGDTINQSTLPSQQNRF DYLEAIPG TNVDLGTLEGDMNIEGEEELMPSLQEALSSDILNDMESVLAA TKLDKESF LTWL
预测分子量	81 kDa including tags
氨基酸	1 to 504
标签	GST tag N-Terminus

### 技术指标

Our **Abpromise guarantee** covers the use of **ab132459** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>应用</b>	ELISA SDS-PAGE Western blot
<b>形式</b>	Liquid

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#### 制备和贮存

<b>稳定性和存储</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
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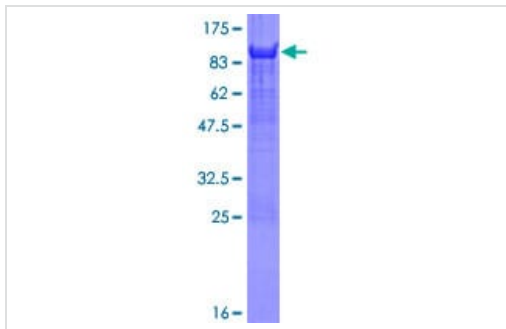
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#### 常规信息

<b>功能</b>	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 MST1/MST2, 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, anchorage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3).
<b>组织特异性</b>	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).
<b>序列相似性</b>	Belongs to the YORKIE family. Contains 2 WW domains.
<b>翻译后修饰</b>	Phosphorylated by LATS1 and LATS2; leading to cytoplasmic translocation and inactivation. Phosphorylated by ABL1; leading to YAP1 stabilization, enhanced interaction with TP73 and recruitment onto proapoptotic genes; in response to DNA damage.
<b>细胞定位</b>	Cytoplasm. Nucleus. Both phosphorylation and cell density can regulate its subcellular localization. Phosphorylation sequesters it in the cytoplasm by inhibiting its translocation into the nucleus. At low density, predominantly nuclear and is translocated to the cytoplasm at high density.

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#### 图片



SDS-PAGE - Recombinant Human YAP1 protein  
(ab132459)

SDS-PAGE analysis of ab132459 on a 12.5% gel stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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