YAP Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	YAP, Polyclonal Antibody
Full Product Name	YAP (phospho Ser127) Polyclonal Antibody
Product Gene Name	anti-YAP antibody
Clonality	Polyclonal
Molecular Weight	54,942 Da
OMIM	120433
3D Structure	ModBase 3D Structure for P46937
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-YAP antibody	MBS8520482 is an antibody targeting YAP. Also known as YAP (phospho Ser127) Polyclonal Antibody.
Other Notes	Small volumes of anti-YAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YAP. It may not necessarily be applicable to this product.

NCBI GI #	194306653
NCBI GeneID	10413
NCBI Accession #	NP_001123617.1
UniProt Primary Accession #	P46937
UniProt Secondary Accession #	Q7Z574; B4DTY1; B7ZA01; E3WEB5; E3WEB6; E9PRV2; F5H202; K0KQ18; K0KYZ8; K0L195; K0L1G3
UniProt Related Accession #	P46937
GenBank Nucleotide #	NM_001130145.2
NCBI Official Full Name	transcriptional coactivator YAP1 isoform 1
NCBI Official Synonym Full Names	Yes associated protein 1
NCBI Official Symbol	YAP1
NCBI Official Synonym Symbols	YAP; YKI; COB1; YAP2; YAP65
UniProt Protein Name	Transcriptional coactivator YAP1
UniProt Synonym Protein Names	Protein yorkie homolog; Yes-associated protein YAP65 homolog
Protein Family	YAP1-binding protein
UniProt Gene Name	YAP1
UniProt Synonym Gene Names	YAP65; Yes-associated protein 1
NCBI Protein Information	transcriptional coactivator YAP1

NCBI Summary for YAP	This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2013]
UniProt Comments for YAP	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 (PubMed:17974916, PubMed:18280240, PubMed:18579750, PubMed:21364637). 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 (PubMed:18158288). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts via ARHGAP18, a Rho GTPase activating protein that suppresses F-actin polymerization (PubMed:25778702). 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 (PubMed:18158288). 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 (PubMed:18579750).
Research Articles on YAP	**1.** No significant correlations emerged for YAP or AREG expression and VIII CN schwannoma volume.
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