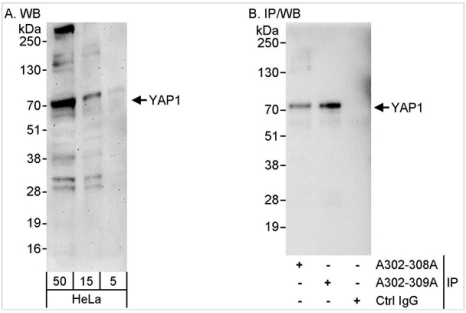
YAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	YAP1, Polyclonal Antibody
Full Product Name	Rabbit anti-YAP1 Antibody, Affinity Purified
Product Gene Name	anti-YAP1 antibody
Product Synonym Names	YAP; yorkie homolog; YKI; yes-associated protein YAP65 homolog; yes-associated protein 2; yes-associated protein 1; YAP2; transcriptional coactivator YAP1; protein yorkie homolog; COB1; 65 kDa Yes-associated protein; YAP65; Transcriptional coactivator YAP1; Yes associated protein 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	54,942 Da
OMIM	606608
3D Structure	ModBase 3D Structure for P46937
Predicted Reactivity	X. laevis, X. tropicalis, Dog
Immunogen	Between 325 and 375
Conjugation	Unconjugated
Product Categories/Family for anti-YAP1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-YAP1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-YAP1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-YAP1 antibody	Yes-associated protein 1 (YAP1) is the human ortholog of chicken YAP protein which binds to the SH3 domain of the Yes proto-oncogene product. This protein contains a WW domain that is found in various structural, regulatory and signaling molecules in yeast, nematode, and mammals, and may be involved in protein-protein interaction [taken from NCBI GeneID:10413].
Other Notes	Small volumes of anti-YAP1 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.
Searchable Terms for YAP1 purchase	MBS3902708 is an antibody targeting YAP1. Also known as Rabbit anti-YAP1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-YAP1 antibody
Detection of human YAP1 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-YAP1 antibody MBS3902708 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 10 ug/mg lysate. YAP1 was also immunoprecipitated by rabbit anti-YAP1 antibody MBS3902709, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YAP1. It may not necessarily be applicable to this product.

NCBI GI #	5174751
NCBI GeneID	10413
NCBI Accession #	NP_006097.1
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_006106.3
NCBI Official Full Name	yorkie homolog isoform 2
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	Yorkie homolog
UniProt Synonym Protein Names	65 kDa Yes-associated protein
Protein Family	AP-1-like transcription factor
UniProt Gene Name	YAP1
UniProt Synonym Gene Names	YAP65; YAP65
UniProt Entry Name	YAP1_HUMAN
NCBI Protein Information	transcriptional coactivator YAP1; yorkie homolog; protein yorkie homolog; yes-associated protein 2; 65 kDa Yes-associated protein; yes-associated protein YAP65 homolog
NCBI Summary for YAP1	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 YAP1	YAP1: an adaptor protein that binds to HER4 and the SH3 domain of the Yes tyrosine kinase. Associates with multiple transcription factors in the nucleus, and appears to be a co-transcriptional activator for the carboxyl-terminal fragment of ErbB-4 that translocates to the nucleus. Contains a WW domain that is found in various structural, regulatory and signaling molecules. Protein type: Oncoprotein; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 11q13 Cellular Component: nucleoplasm; transcription factor complex; membrane; cytoplasm; cell junction; cytosol; nucleus Molecular Function: protein binding; transcription coactivator activity; chromatin binding; transcription corepressor activity Biological Process: paraxial mesoderm development; transcription initiation from RNA polymerase II promoter; somatic stem cell maintenance; lateral mesoderm development; cell morphogenesis; negative regulation of epithelial cell differentiation; notochord development; positive regulation of organ growth; keratinocyte differentiation; cell proliferation; positive regulation of cell proliferation; gene expression; positive regulation of transcription from RNA polymerase II promoter; vasculogenesis; response to DNA damage stimulus Disease: Coloboma, Ocular, With Or Without Hearing Impairment, Cleft Lip/palate, And/or Mental Retardation
Research Articles on YAP1	**1.** the oncogenic activity of Ras(V12) depends on its ability to counteract Hippo pathway activity, creating a positive feedback loop, which depends on stabilization of YAP1.
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