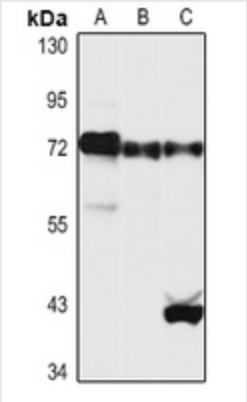
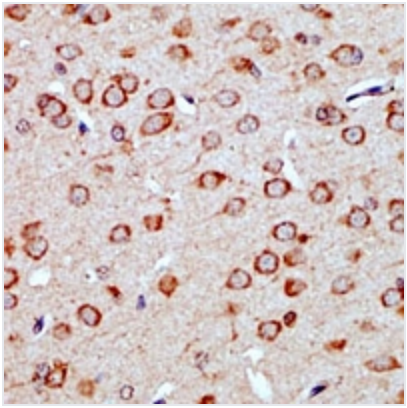
YAP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

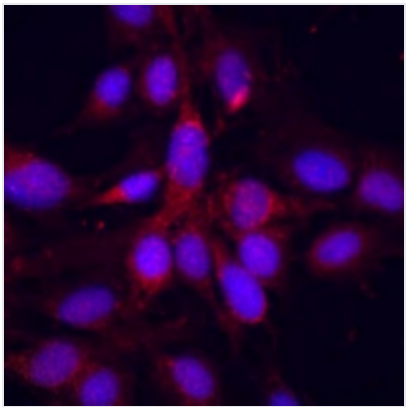
Product Name	YAP1, Polyclonal Antibody
Full Product Name	Anti-YAP1 Antibody
Product Gene Name	anti-YAP1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of YAP1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	54,462 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (101981192..102104154). Location: 11q13
OMIM	606608
3D Structure	ModBase 3D Structure for P46937
Immunogen	Recombinant protein corresponding to human YAP1. The exact sequence is proprietary.
Product Categories/Family for anti-YAP1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-YAP1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochemistry (IC)
Application Notes for anti-YAP1 antibody	WB: 1/500-1/1000 IHC: 1/50-1/200 IF/IC: 1/50-1/200
Related Product Information for anti-YAP1 antibody	MBS8322482 is an antibody targeting YAP1. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to YAP1
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.



Western Blot (WB) of anti-YAP1 antibody
Western blot analysis of YAP1 expression in HEK293T (A), NIH3T3 (B), rat liver (C) whole cell lysates. (Predicted band size: 36; 48; 49; 50; 52; 53; 54 kD; Observed band size: 72 kD)



Immunohistochemistry (IHC) of anti-YAP1 antibody
Immunohistochemical analysis of YAP1 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-YAP1 antibody
Immunofluorescent analysis of YAP1 staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YAP1. 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 #	P46938; Q2EJA0
UniProt Related Accession #	P46937
GenBank Nucleotide #	NM_001130145.2
NCBI Official Full Name	yorkie homolog isoform 1
NCBI Official Synonym Full Names	Yes-associated protein 1
NCBI Official Symbol	YAP1

NCBI Official Synonym Symbols	YAP; YKI; 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	yorkie homolog; yes-associated protein 2; yes-associated protein beta; yes-associated protein delta; 65 kDa Yes-associated protein
NCBI Summary for YAP1	This gene encodes 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. [provided by RefSeq, Jul 2008]
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.** we provide evidence that YAP overexpression plays an important role in the chemoresistance of hepatocellullar carcinoma cells to doxorubicin.
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