



YAP rabbit pAb

Cat No.:ES3719

For research use only

Overview

Product Name	YAP rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human YAP. AA range:281-330
Specificity	YAP Polyclonal Antibody detects endogenous levels of YAP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Yorkie homolog
Gene Name	YAP1
Cellular localization	Cytoplasm . Nucleus . Both phosphorylation and cell density can regulate its subcellular localization (PubMed:18158288, PubMed:20048001). Phosphorylation sequesters it in the cytoplasm by inhibiting its translocation into the nucleus (PubMed:18158288, PubMed:20048001). At low density, predominantly nuclear and is translocated to the cytoplasm at high density (PubMed:18158288, PubMed:20048001, PubMed:25849865). PTPN14 induces translocation from the nucleus to the cytoplasm (PubMed:22525271). Localized mainly to the nucleus in the early stages of embryo development with expression becoming evident in the cytoplasm at the blastocyst and epiblast stages (By similarity). . The antibody was affinity-purified from rabbit
Purification	



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Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	67kD
Human Gene ID	10413
Human Swiss-Prot Number	P46937
Alternative Names	YAP1; YAP65; Yorkie homolog; 65 kDa Yes-associated protein; YAP65

Background

antiserum by affinity-chromatography using epitope-specific immunogen.

Polyclonal

1 mg/ml

67kD

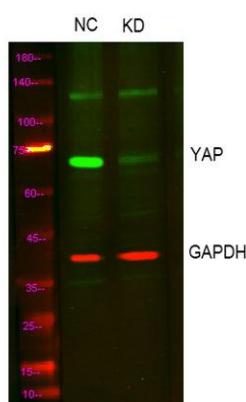
10413

P46937

YAP1; YAP65; Yorkie homolog; 65 kDa Yes-associated protein; YAP65

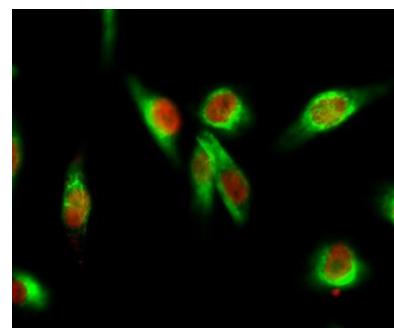
This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment.

Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2013],



Western blot analysis of lysates from 1)HeLa cell , 2)HeLa cells knockdown by siRNA

(F:GGUCAGAGAUACUUCUUAATT,R:UUAAGAAGUAUCUCU GACCTT), (Green) primary antibody was diluted at 1:1000, 4°over night, Dylight 800 secondary antibody(Immunoway:RS23920)was dilut



Immunofluorescence analysis of HeLa cell. 1,YAP Polyclonal Antibody(red) was diluted at 1:200(4° overnight). GAPDH Monoclonal Antibody(2B8)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



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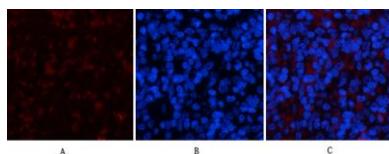
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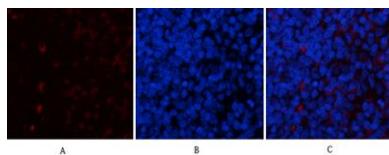
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Immunofluorescence analysis of rat-spleen tissue. 1, YAP Polyclonal Antibody(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture



Immunofluorescence analysis of rat-spleen tissue. 1, YAP Polyclonal Antibody(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



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