

Product datasheet for **TA300956**

YAP1 Rabbit Monoclonal Antibody [Clone ID: EP1674Y]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP1674Y
Applications:	FC, IHC, WB
Recommended Dilution:	WB: 1:25000 - 1:50000; IP: 1:70; FC: 1:50; IHC-P: Use at an assay dependent dilution; ICC/IF: 1:100 - 1:250
Reactivity:	Human (Does not react with: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues near the C-terminus of human YAP65 was used as an immunogen.
Formulation:	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	Yes associated protein 1
Database Link:	NP_006097 Entrez Gene 22601 Mouse Entrez Gene 363014 Rat Entrez Gene 10413 Human P46937



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Background:

The transcriptional coactivator Yes-associated protein (YAP) has been shown to interact with and to enhance p73-dependent apoptosis in response to DNA damage. It has been shown that YAP requires the promyelocytic leukemia gene (PML) and nuclear body localization to coactivate p73. YAP imparts selectivity to p73 by promoting the activation of a subset of p53 and/or p73 target promoters (1). Akt promotes YAP localization to the cytoplasm, resulting in loss from the nucleus where it functions as a coactivator of transcription factors including p73. p73-mediated induction of Bax expression following DNA damage requires YAP function and is attenuated by Akt phosphorylation of YAP. YAP overexpression increases, while YAP depletion decreases, p73-mediated apoptosis following DNA damage, in an Akt inhibitable manner (2)

Synonyms:

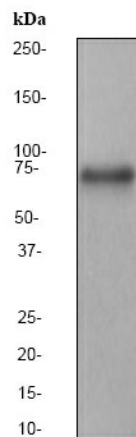
COB1; YAP; YAP2; YAP65; YKI

Note:

Does not react with Mouse, Rat

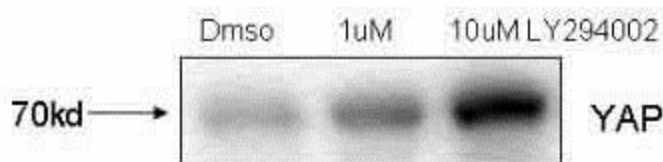
Protein Families:

Druggable Genome

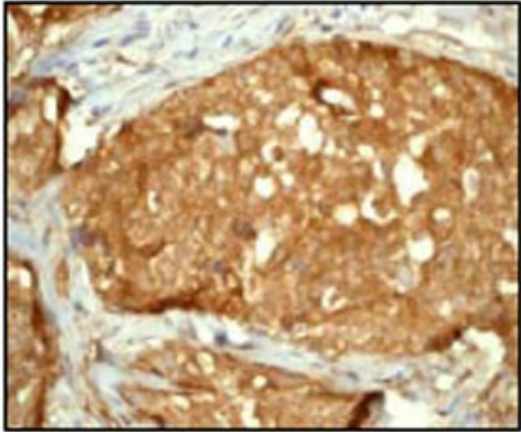
Product images:


Western blot - YAP1 antibody [EP1674Y]; Anti-YAP1 antibody [EP1674Y] at 1/50000 dilution + Hela cell lysate at 10 ug. Secondary. Goat anti-rabbit HRP labeled at 1/2000 dilution. Predicted band size : 65 kDa. Observed band size : 65 kDa.

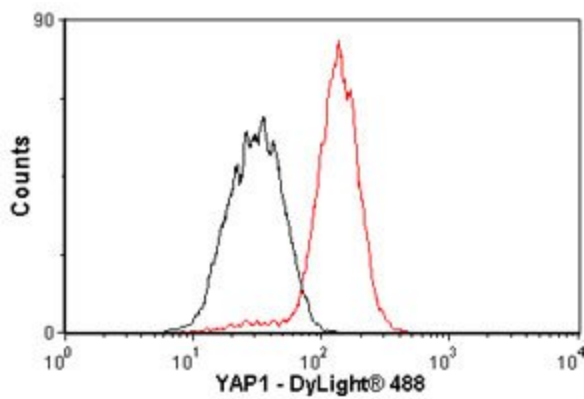
U87MG cells treated with LY294002 for 6h



Western blot - YAP1 antibody [EP1674Y]; developed using the ECL technique. Predicted band size : 65 kDa. Observed band size : 70 kDa. Exposure time : 1 minute



Immunohistochemistry (Paraffin-embedded sections) - YAP1 antibody [EP1674Y]; Immunohistochemical staining of YAP1 in paraffin embedded human breast carcinoma tissue using TA300956 at a 1/100 dilution.



Flow Cytometry - YAP1 antibody; Overlay histogram showing HeLa cells stained with TA300956 (red line). The secondary antibody used was DyLight 488 goat anti-rabbit IgG (H+L) at 1:500. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.