

Product datasheet for **TA301075**

YAP1 Rabbit Monoclonal Antibody [Clone ID: EP1675Y]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP1675Y
Applications:	IHC, WB
Recommended Dilution:	WB: 1:10000 - 1:50000; IHC-P: 1:100 - 1:250
Reactivity:	Mouse, Rat, Human
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding Ser127 of human YAP65 was used as immunogen. The antibody detects YAP65 phosphorylated at Serine 127.
Formulation:	pH: 7.20Preservative: 0.01% Sodium azideConstituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
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, YAP65) 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). YAP binds with 14-3-3 after being phosphorylated by Akt at Ser127. 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:

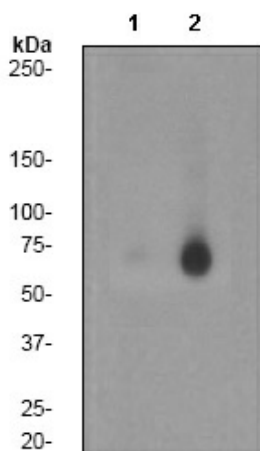
COB1; YAP; YAP2; YAP65; YKI

Note:

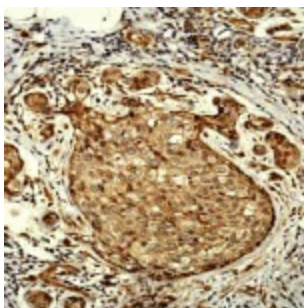
Is unsuitable for Flow Cyt, ICC or IP.

Protein Families:

Druggable Genome

Product images:


Western blot - YAP1 (phospho S127) antibody [EP1675Y]; All lanes : Anti-YAP1 (phospho S127) antibody [EP1675Y] at 1/50000 dilution. Lane 1 : HeLa cell lysates, untreated. Lane 2 : HeLa cell lysates, treated with FBS + calyculin. Lysates/proteins at 10 ug per lane. Secondary: goat anti-rabbit HRP at 1/2000 dilution. Predicted band size : 65 - 75 kDa. Observed band size : 65 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - YAP1 (phospho S127) antibody [EP1675Y]; TA301075 at 1/100 dilution staining YAP1 in human breast carcinoma by Immunohistochemistry, Paraffin-embedded tissue.