

**YAP65 Phospho (Ser127) Rabbit Monoclonal Antibody
Product Data Sheet**

Catalog # 2209-1

Clone ID: EP1675Y **Lot #:** Please refer to the vial
Quantity: 100 µl
Type: Rabbit Monoclonal IgG
Species Cross-reactivity*: Human Mouse Rat
Applications: WB IHC ICC Flow Cytometry IP
Molecular Wt.: 65 - 75 kDa
UniProt ID: P46937

*Species cross-reactivity is based on WB analysis

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).

Specificity: A phospho specific peptide corresponding to residues surrounding Ser127 of human YAP65 was used as immunogen. The antibody detects YAP65 phosphorylated at Serine 127.

Storage Conditions: Store at -20 °C. Buffer: 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Recommended Dilutions:
WB: 1:10,000 – 50,000
IHC: 1:100 – 250
Please visit www.epitomics.com for recommended protocols

Background References:
1. Strano S, et al. *Mol Cell* 18(4):447-59, 2005
2. Basu S, et al. *Mol Cell* 11(1):11-23, 20033.

Related Products:

Antigen	Clone	Catalog #
YAP65	EP1674Y	2060-1

Product QC'd by: 

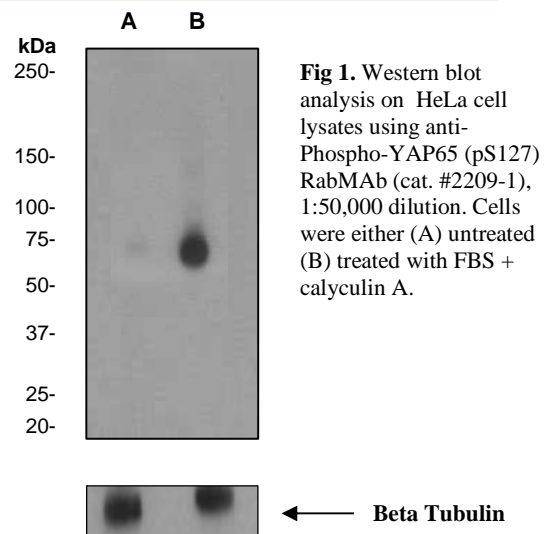


Fig 1. Western blot analysis on HeLa cell lysates using anti-Phospho-YAP65 (pS127) RabMAb (cat. #2209-1), 1:50,000 dilution. Cells were either (A) untreated (B) treated with FBS + calyculin A.

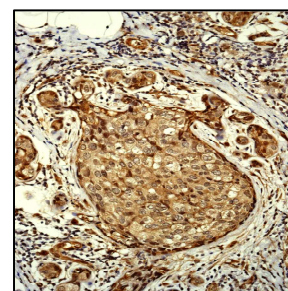


Fig 2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma using anti-YAP65 RabMAb (cat# 2209-1).

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This product was manufactured under US Patents No. 5,675,063 and 5,599,681. For a complete list of protocols and available related products, please visit www.epitomics.com.