

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human YAP1 in ELISA. Detects human, mouse and rat YAP1 in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 867711
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human YAP1 Ala347-Leu504 Accession # P46937
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-reported	Optimal dilution of this antibody should be experimentally determined.
Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

YAP1 (Yes-associated protein 1), also called YAP65 or Yorkie Homolog, is a widely expressed 65 kDa cytoplasmic and nuclear transcriptional regulator protein in the Hippo pathway that regulates organ size. The 504 amino acid (aa) human YAP1 contains two WW (tryptophan-containing protein binding) domains (aa 171-263), a transactivation domain (aa 219-504) and 19 sites that may be phosphorylated by kinases such as LATS1 and 2, MAPK8 and 9, CK1, or ABL1. Isoforms of 488, 454 and 326 aa lack aa 328-343, 230-267 (plus a 3 aa substitution for aa 329-343), or 1-178, respectively. YAP1 binds the Yes tyrosine kinase SH3 domain and many other proteins, notably ErbB4. YAP1 expression is increased in some liver and prostate cancers. Within aa 347-504, human YAP1 shares 94% and 93% aa sequence identity with mouse and rat YAP1, respectively.

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