

YAP (Phospho Ser109) rabbit pAb

Catalog No :	YP1553
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	YAP
Fields :	>>Hippo signaling pathway;>>Hippo signaling pathway - multiple species
Gene Name :	YAP1 YAP65
Protein Name :	YAP (Ser109)
Human Gene Id :	10413
Human Swiss Prot No :	P46937
Mouse Gene Id :	22601
Mouse Swiss Prot No :	P46938
Rat Gene Id :	363014
Rat Swiss Prot No :	Q2EJA0
Immunogen :	Synthesized phospho peptide around human YAP (Ser109)
Specificity :	This antibody detects endogenous levels of Human Mouse Rat YAP (phospho-Ser109)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000

Purification : The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 67kD

Background : 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],

Function : PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 WW domain.,subunit:Binds to the SH3 domain of the YES kinase. Binds to WBP1 and WBP2. Binds, in vitro, through the WW1 domain, to neural isoforms of ENAH that contain the PPSY motif.,

Subcellular Location : 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). .

Expression : Increased expression seen in some liver and prostate cancers. Isoforms lacking the transactivation domain found in striatal neurons of patients with Huntington disease (at protein level).

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