

YAP (Phospho Ser109) Rabbit pAb

CatalogNo: YP1553

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 67kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human YAP (Ser109)

Specificity This antibody detects endogenous levels of Human Mouse Rat YAP (phospho-Ser109)

Target Information

Gene name YAP1 YAP65

Protein Name YAP (Ser109)

Organism	Gene ID	UniProt ID
Human	10413 ;	P46937 ;
Mouse	22601 ;	P46938 ;
Rat	363014 ;	Q2EJA0 ;

Cellular Localization

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). .

Tissue specificity

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).

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.,

| Validation Data

| Contact information

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YAP (Phospho Ser109) Rabbit pAb

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