

## 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	<a href="#">10413</a> ;	<a href="#">P46937</a> ;
Mouse	<a href="#">22601</a> ;	<a href="#">P46938</a> ;
Rat	<a href="#">363014</a> ;	<a href="#">Q2EJA0</a> ;

**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.,

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## | Validation Data

## | Contact information

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**YAP (Phospho Ser109) Rabbit pAb**

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