

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

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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