

## HIPK1/2/3 (Phospho Tyr352/361/359) Rabbit pAb

CatalogNo: YP1745

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 133kD (Calculated)

#### 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 1:500-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human HIPK1/2/3 (Phospho-Tyr352/361/359)

**Specificity** This antibody detects endogenous levels of HIPK1/2/3 only when phosphorylated at Human:Y352/361/359, Mouse:Y352/361/359, Rat:Y352/359. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):STyLQ

## Target Information

**Gene name** HIPK1 KIAA0630 MYAK NBAK2  
**Protein Name** HIPK1/2/3 (Phospho-Tyr352/361/359)

Organism	Gene ID	UniProt ID
Human	<a href="#">204851</a> ;	<a href="#">Q86Z02</a> ;
Mouse	<a href="#">15257</a> ;	<a href="#">O88904</a> ;
Rat		<a href="#">A4L9P5</a> ;

**Cellular Localization** Nucleus . Cytoplasm . Nucleus speckle . Predominantly nuclear. Translocates from nucleus to cytoplasm in response to stress stimuli via SENP1-mediated desumoylation. .

**Tissue specificity** Ubiquitously expressed with highest levels in skeletal muscle and heart. Overexpressed in breast cancer cell lines. Isoform 2 is highly expressed in testis. Expressed in both androgen-dependent and androgen-independent prostate cancer cells (PubMed:28289210).

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function:May play a role as a corepressor for homeodomain transcription factors. Phosphorylates DAXX in response to stress, and mediates its translocation from the nucleus to the cytoplasm. May be involved in malignant squamous cell tumor formation.,PTM:Autophosphorylated. Phosphorylated and activated by JNK1.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. HIPK subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Predominantly nuclear.,subunit:Interacts with Nkx1-2 and Nkx2-5 (By similarity). Interacts with DAXX and TP53.,tissue specificity:Ubiquitously expressed with highest levels in skeletal muscle and heart. Overexpressed in breast cancer cell lines.,

## Validation Data

## Contact information

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**HIPK1/2/3 (Phospho Tyr352/361/359)**  
**Rabbit pAb**