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

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| **Catalog No** | YP-Ab-10516 |
| **Isotype** | IgG |
| **Reactivity** | Human; Mouse;Rat |
| **Applications** | WB |
| **Gene Name** | HIPK1 KIAA0630 MYAK NBAK2 |
| **Immunogen** | Synthesized peptide derived from human HIPK1/2/3 (Phospho-Tyr352/361/359) |
| **Specificity** | This antibody detects endogenous levels of HIPK1/2/3 (Phospho-Tyr352/361/359) at Human, Mouse,Rat |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.172% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| **Dilution** | WB 1:500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | HIPK1/2/3;HIPK1 KIAA0630 MYAK NBAK2;HIPK1/2/3 (Phospho-Tyr352/361/359);Homeodomain-interacting protein kinase 1 (EC 2.7.11.1) (Nuclear body-associated kinase 2) |
| **Observed Band** | |
| **Calculated Molecular Weight** | |
| **Cell Pathway** | 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 |

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| | 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., |
| **Background** | homeodomain interacting protein kinase 1(HIPK1) Homo sapiens The protein encoded by this gene belongs to the Ser/Thr family of protein kinases and HIPK subfamily. It phosphorylates homeodomain transcription factors and may also function as a co-repressor for homeodomain transcription factors. Alternative splicing results in four transcript variants encoding four distinct isoforms. [provided by RefSeq, Jul 2008], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images