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**Product Name: HIPK1 Rabbit Polyclonal Antibody****Catalog #: APRab12031**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Rabbit polyclonal Antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,ELISA  |
| <b>Reactivity</b>    | Human,Mouse,Rat   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Polyclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.   |
| <b>Purification</b>  | Affinity purification   |

**Application**

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 133kDa                               |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | HIPK1 KIAA0630 MYAK NBAK2   |
| <b>Alternative Names</b> |   |
| <b>Gene ID</b>           | 204851.0  |
| <b>SwissProt ID</b>      | Q86Z02  |
| <b>Immunogen</b>         | Synthesized peptide derived from human protein . at AA range: 290-370 |

**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],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.,

## Research Area

## Image Data

