



# PKN3 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYab-06746   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse  |
| <b>Applications</b>       | WB;ELISA   |
| <b>Gene Name</b>          | PKN3 PKNBETA   |
| <b>Protein Name</b>       | Serine/threonine-protein kinase N3 (EC 2.7.11.13) (Protein kinase PKN-beta) (Protein-kinase C-related kinase 3)  |
| <b>Immunogen</b>          | Synthesized peptide derived from part region of human protein  |
| <b>Specificity</b>        | PKN3 Polyclonal Antibody detects endogenous levels of protein.   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           |  |
| <b>Observed Band</b>      | 97kD   |
| <b>Cell Pathway</b>       | Nucleus . Cytoplasm, perinuclear region . Nuclear and perinuclear Golgi region.  |
| <b>Tissue Specificity</b> | Expressed in prostate tumors and various cancer cell lines. Not expressed in adult tissues.  |
| <b>Function</b>           | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The C1 domain does not bind the diacylglycerol (DAG).,enzyme regulation:Two specific sites, Thr-718 (activation loop of the kinase domain) and Thr-860 (turn motif), need to be phosphorylated for its full activation.,function:Contributes to invasiveness in malignant prostate cancer.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 3 REM (Hr1) repeats.,subcellular location:Nuclear and perinuclear Golgi region.,tissue specificity:Expressed in prostate tumors and various cancer cell lines. Not |

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**Background**

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The C1 domain does not bind the diacylglycerol (DAG).,enzyme regulation:Two specific sites, Thr-718 (activation loop of the kinase domain) and Thr-860 (turn motif), need to be phosphorylated for its full activation.,function:Contributes to invasiveness in malignant prostate cancer.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 3 REM (Hr1) repeats.,subcellular location:Nuclear and perinuclear Golgi region.,tissue specificity:Expressed in prostate tumors and various cancer cell lines. Not expressed in adult tissues.,

**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**