

Pin1 (PT1743R) PT™ Rabbit mAb

CatalogNo: YM9585 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 18kD (Calculated)
18kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT1743R

Immunogen Information

Specificity Endogenous

Target Information

Gene name PIN1

Protein Name Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1

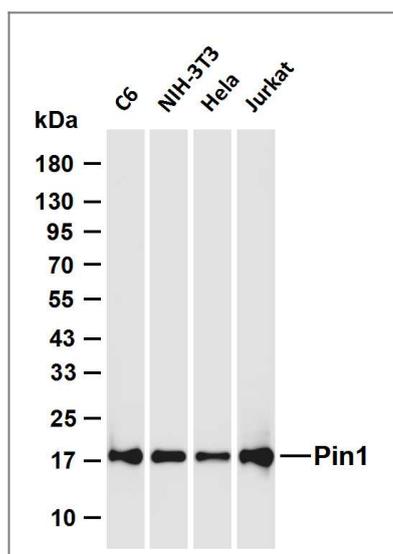
Organism	Gene ID	UniProt ID
Human	5300 ;	Q13526 ;
Mouse	23988 ;	Q9QUR7 ;

Cellular Localization Nucleus . Nucleus speckle . Cytoplasm . Colocalizes with NEK6 in the nucleus (PubMed:16476580). Mainly localized in the nucleus but phosphorylation at Ser-71 by DAPK1 results in inhibition of its nuclear localization (PubMed:21497122). .

Tissue specificity Expressed in immune cells in the lung (at protein level) (PubMed:29686383). The phosphorylated form at Ser-71 is expressed in normal breast tissue cells but not in breast cancer cells.

Function Catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,Domain:The WW domain is required for the interaction with STIL and MPHOSPH1.,Function:Essential PPIase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzing pSer/Thr-Pro cis/trans isomerizations.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 PpiC domain.,similarity:Contains 1 WW domain.,subunit:Interacts with STIL (By similarity). Interacts with MPHOSPH1.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Pin1 (PT1743R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: NIH-3T3 Lane 3: HeLa Lane 4: Jurkat Predicted band size: 18kDa Observed band size: 18kDa

Contact information

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