CDC37 (Phospho Ser13) (PT0060R) PT™ Rabbit mAb

CatalogNo: YM8031 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 44kD (Calculated)

44kD (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 1:400-1000
WB 1:1000-5000
IF 1:200-1000
ELISA 1:5000-20000
IP 1:50-200

Basic Information

Clonality	Monoclonal
Clone Number	PT0060R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	This antibody detects endogenous levels of CDC37 only when phosphorylated at Ser13.

Target Information

Gene name CDC37

Protein Name Hsp90 co-chaperone Cdc37

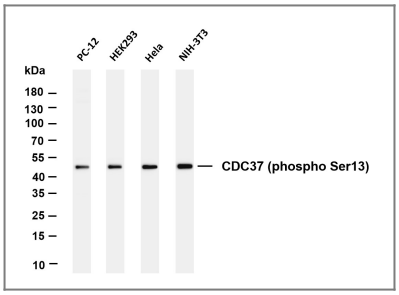
Organism	Gene ID	UniProt ID
Human	11140;	Q16543;
Mouse	12539;	Q61081;
Rat	114562;	Q63692;

Cellular Localization Cytoplasm

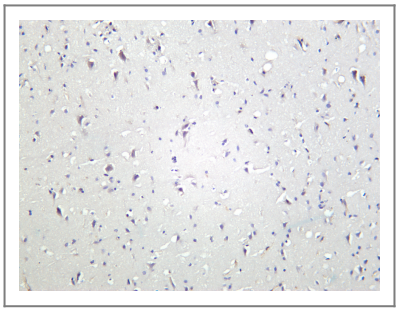
Tissue specificity Lymph ,Placenta ,

Function Function:Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex , resulting in stabilization and promotion of their activity. ,PTM:Constitutively sumoylated by UBE2I. ,similarity:Belongs to the CDC37 family. ,subunit:Forms a complex with Hsp90. Interacts with AR , CDK4 , CDK6 , EIF2AK1 and RB1. ,

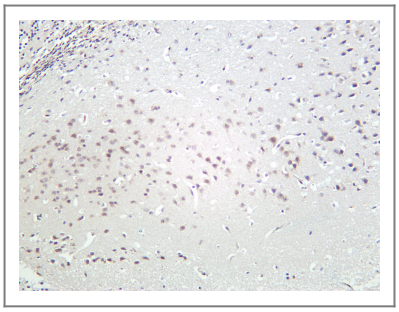
Validation Data



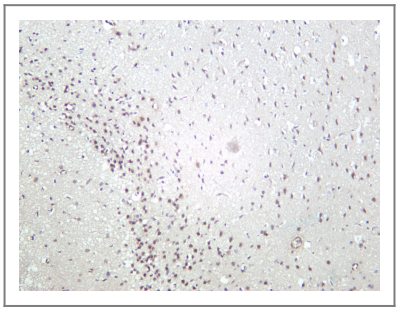
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CDC37 (phospho Ser13) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: HEK293 Lane 3: Hela Lane 4: NIH-3T3 Predicted band size: 44kDa Observed band size: 44kDa



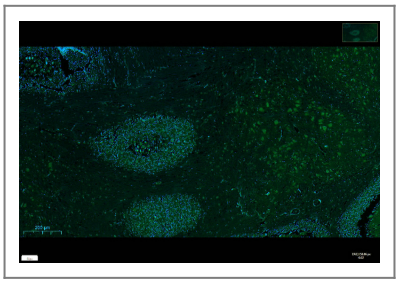
Human brain was stained with Anti-CDC37 (phospho Ser13) rabbit antibody



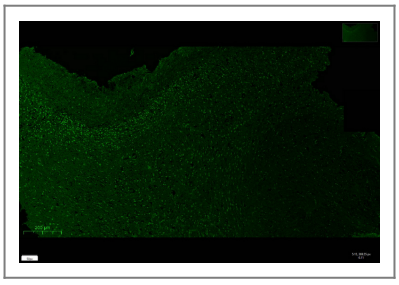
Mouse brain was stained with Anti-CDC37 (phospho Ser13) rabbit antibody



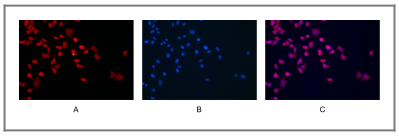
Rat brain was stained with Anti-CDC37 (phospho Ser13) rabbit antibody



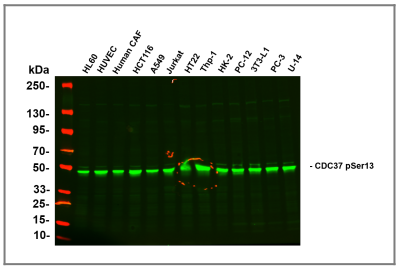
mouse brain was stained with Anti-CDC37 (phospho Ser13) rabbit antibody



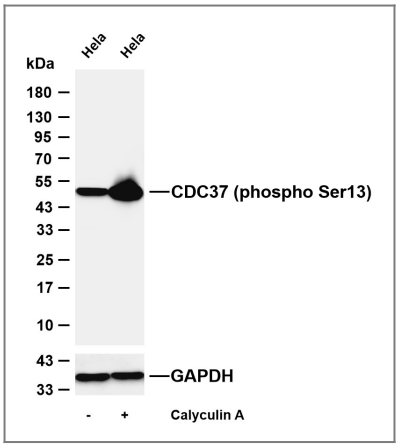
rat brain was stained with Anti-CDC37 (phospho Ser13) rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: CDC37 (phospho Ser13) antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4℃ over night with a 1:2500 dilution . The Dilight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - Human umbilical vein endothelial cell Lane3: Human CAF - Human cancer-associated fibroblast Lane4: HCT116 - Human colorectal carcinoma Lane5: A549 - Human lung carcinoma Lane6: Jurkat - Human T lymphocyte leukemia Lane7: HT22 - Mouse hippocampal neuronal Lane8: Thp-1 - Human monocytic leukemia Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast cells Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Predicted band size: 44kDa Observed band size: 44kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CDC37 (phospho Ser13) (PT0060R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: Hela was treated with Calyculin A (100 nM) for 30 minutes Predicted band size: 44kDa Observed band size: 50kDa

Contact information

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Please scan the QR code to access additional product information: **CDC37 (Phospho Ser13) (PT0060R) PT™ Rabbit mAb**

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