

## Hsp90 (PT0053R) PT™ Rabbit mAb

CatalogNo: YM8026 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, IP, ELISA

#### MW

- 85kD (Calculated)
- 85kD (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 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

### Basic Information

**Clonality** Monoclonal

**Clone Number** PT0053R

### Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** HSP90AB1

**Protein Name** Heat shock protein HSP 90-beta

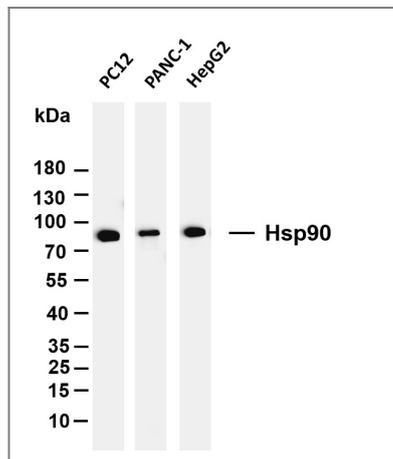
Organism	Gene ID	UniProt ID
Human	<a href="#">3326;</a>	<a href="#">P08238;</a>
Mouse	<a href="#">15516;</a>	<a href="#">P11499;</a>
Rat	<a href="#">301252;</a>	<a href="#">P34058;</a>

**Cellular Localization** Cytoplasm, Nuclear

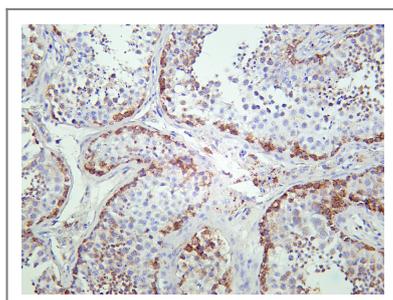
**Tissue specificity** Amygdala,Brain cortex,Colon,Colon carcinoma,Embryon

**Function** Function:Molecular chaperone. Has ATPase activity.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 90 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Homodimer. Interacts with TP53/p53 (By similarity). Interacts with UNC45A. Binding to UNC45A involves 2 UNC45A monomers per HSP90AB1 dimer.,

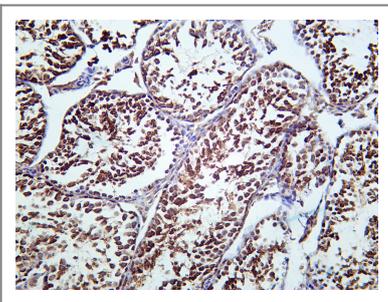
## Validation Data



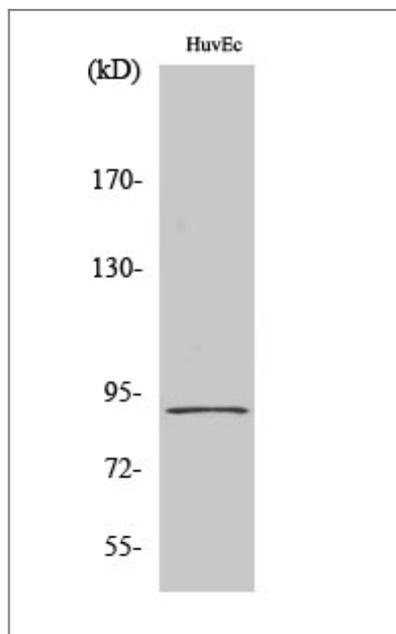
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Hsp90 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC12 Lane 2: PANC-1 Lane 3: HepG2 Predicted band size: 85kDa Observed band size: 85kDa



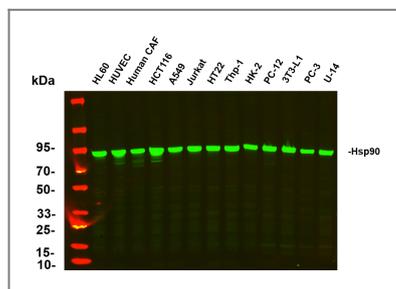
Human tonsil testis was stained with Anti-HSP90 rabbit Antibody



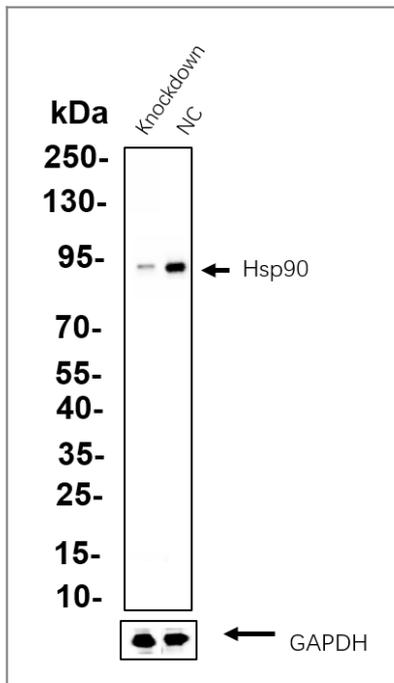
Mouse testis was stained with Anti-HSP90 rabbit Antibody



Western Blot analysis of various cells using HSP90 $\beta$  Antibody diluted at 1:2000



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:2500 dilution . The Dylight 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: 85kDa Observed band size: 90kDa



Western blot analysis of lysates from HepG2 WT and knockdown cell. Cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with Hsp90 (PT0053R) rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

## Contact information

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Please scan the QR code to access additional product information:  
**Hsp90 (PT0053R)**  
**PT™ Rabbit mAb**

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