

## Anti-Hsp90 alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

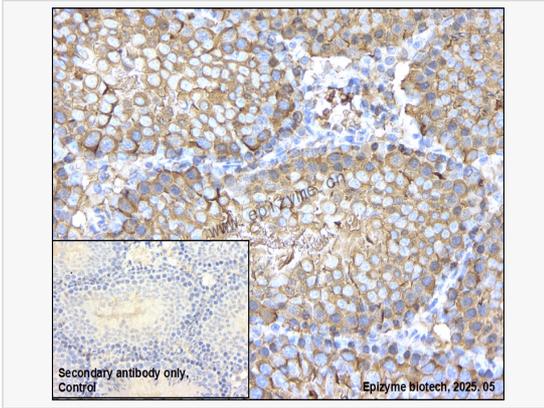
Catalog # R015453

### Product Information

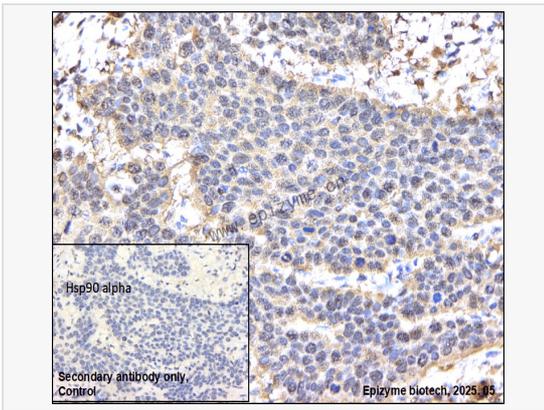
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	65Y40N96
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Hsp90 alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Hsp90 alpha Rabbit mAb [65Y40N96] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

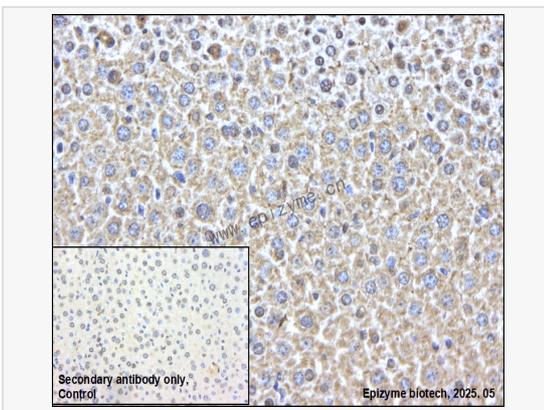
Synonyms	EL52; epididymis luminal secretory protein 52; Heat shock 86 kDa; heat shock 90kD protein 1, alpha; Heat shock 90kD protein 1, alpha like 4; heat shock 90kD protein, alpha-like 4; Heat shock 90kDa protein 1 alpha; Heat shock protein 90kDa alpha (cytosolic) class A member 1; Heat shock protein HSP 90-alpha; HS90A_HUMAN; HSP 86; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90AA1; HSP90ALPHA; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; LAP 2; LAP2; lipopolysaccharide-associated protein 2; LPS-associated protein 2; Renal carcinoma antigen NY-REN-38.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 85 kDa
Uniprot ID	P07900
Gene ID	3320
Background	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Cellular Location	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.



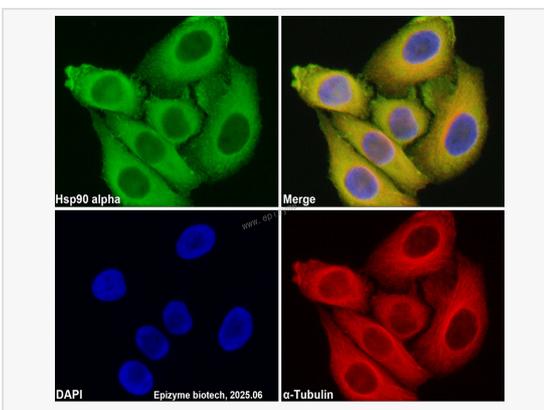
Immunohistochemistry - Anti-Hsp90 alpha Rabbit mAb [65Y40N96]  
 Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015453 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



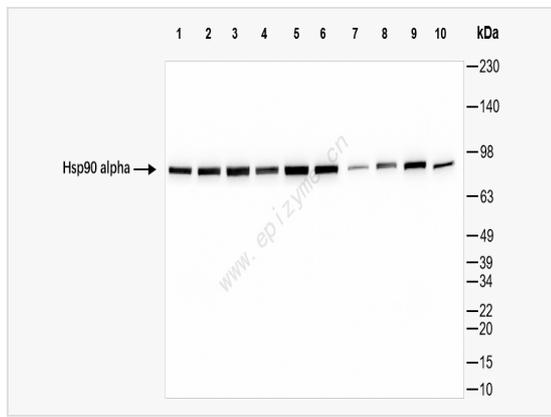
Immunohistochemistry - Anti-Hsp90 alpha Rabbit mAb [65Y40N96]  
 Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015453 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Hsp90 alpha Rabbit mAb [65Y40N96]  
 Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015453 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Hsp90 alpha Rabbit mAb [65Y40N96]  
 Sample: HeLa cells  
 The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.  
 Primary antibodies: R015453 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution  
 Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)  
 Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-Hsp90 alpha Rabbit mAb [65Y40N96]

All lanes: R015453 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: Mouse heart whole tissue lysates

Lane 8: Mouse brain whole tissue lysates

Lane 9: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 10: Rat muscle whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 85 kDa

Observed band size: 85 kDa

Developed using the ECL technique (Cat. No. SQ201).