



## Rabbit Anti-HSP90 beta antibody

SL20654R

<b>Product Name:</b>	HSP90 beta
<b>Chinese Name:</b>	热休克蛋白90β/HSP90 β 抗体
<b>Alias:</b>	HSP90 beta; D6S182; FLJ26984; Heat shock 90kD protein 1, beta; Heat shock protein 90kDa alpha (cytosolic) class B member 1; Heat shock protein beta; Heat shock protein HSP 90 beta; HSP 84; HSP84; HSP 90; HSP-90 BETA; HSP90B; HSPC2; HSPCB; HS90B HUMAN; Heat shock protein HSP 90-beta; Heat shock 84 kDa.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3μg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	84kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HSP90 beta:401-450/724
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative

splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012].

**Function:**

Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.

**Subunit:**

Homodimer. Interacts with p53/TP53. Forms a complex with CDK6 and Hsp90/HSP90AB1. Interacts with UNC45A. Binding to UNC45A involves 2 UNC45A monomers per HSP90AB1 dimer. Interacts with CHORDC1 and DNAJC7. Interacts with FKBP4.

**Subcellular Location:**

Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Post-translational modifications:**

Ubiquitinated in the presence of STUB1-UBE2D1 complex (in vitro).  
ISGylated.  
S-nitrosylated; negatively regulates the ATPase activity (Probable).

**Similarity:**

Belongs to the heat shock protein 90 family.

**SWISS:**

P08238

**Gene ID:**

3326

**Database links:**

[Entrez Gene: 3326](#)Human

[Entrez Gene: 15516](#)Mouse

[Entrez Gene: 301252](#)Rat

[Omim: 140572](#)Human

[SwissProt: P08238](#)Human

[SwissProt: P11499](#)Mouse

[SwissProt: P34058](#)Rat

[Unigene: 509736](#)Human

[Unigene: 2180](#)Mouse

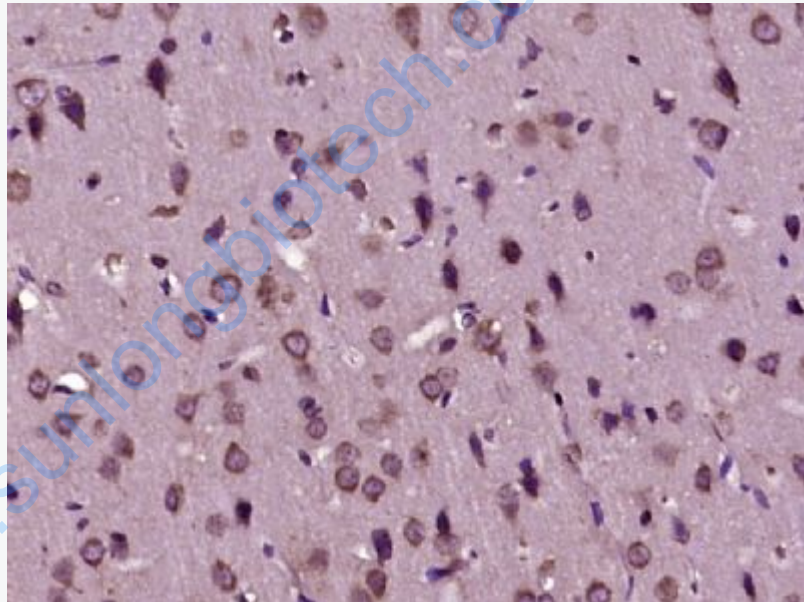
[Unigene: 98667](#)Rat

**Important Note:**

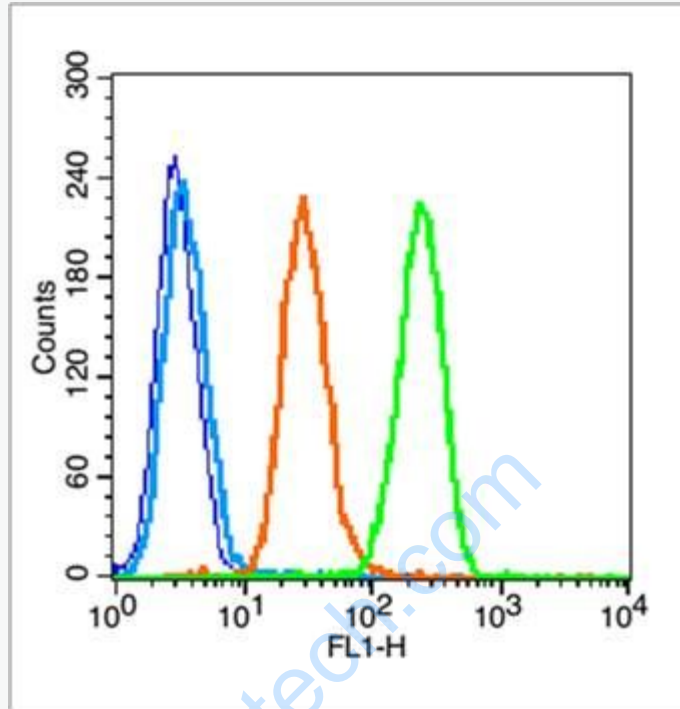
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HSP是细胞受应激原刺激后诱导产生的一组应激蛋白, 与Tumour发生、增殖及分化有关, HSP90 $\beta$ 能够抑制Apoptosis与分化。

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HSP90 beta) Polyclonal Antibody, Unconjugated (SL20654R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): A549 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody (green line): Rabbit Anti-HSP90 beta antibody (SL20654R),

Dilution: 3µg /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,dilution: 1µg /test.