

## Allgemeine Informationen

**Katalog-Nr.:**  
14700-1-AP

**Größe:**  
150ul , Konzentration: 400 µg/ml von Nanodrop und 240 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG6344

**GenBank-Zugangsnummer:**  
BC066656

**GeneID (NCBI):**  
7184

**Vollständiger Name:**  
heat shock protein 90kDa beta (Grp94), member 1

**Berechnete Masse:**  
92 kDa

**Beobachtete Masse:**  
100 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:2000-1:16000

IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB

IHC 1:20-1:200

IF 1:200-1:800

## Anwendungen

**Geprüfte Anwendungen:**

FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

CoIP, FC, IF, IHC, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB :** A431-Zellen, A549-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, MCF-7-Zellen, U2OS-Zellen

**IP :** Mausebergewebe,

**IHC :** humanes Mammakarzinomgewebe, humanes Zervixkarzinomgewebe

**IF :** HeLa-Zellen, A431-Zellen, HepG2-Zellen

## Hintergrundinformationen

HSP90 proteins are highly conserved molecular chaperones, which normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 (GP96 or GRP94) is an endoplasmic reticulum paralogue of the cytosolic HSP90. As a major ER chaperone to mediate the UPR and a master chaperone for Toll-like receptors (TLRs), HSP90b1 chaperones peptides to MHC class I molecules of dendritic cells and other antigen-presenting cells, as well as facilitating the assembly of immunoglobulin. The protein is also involved in many other bio-processes. This antibody was generated against the C-terminal region of full-length HSP90b1.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Na Liu	32961227	Life Sci	WB
Piaopiao Wen	36139350	Cells	WB
Chang Feng	30445054	Toxicology	

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

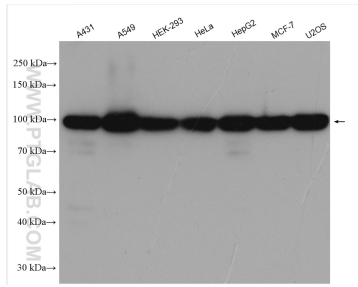
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

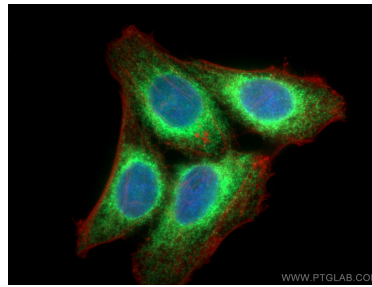
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

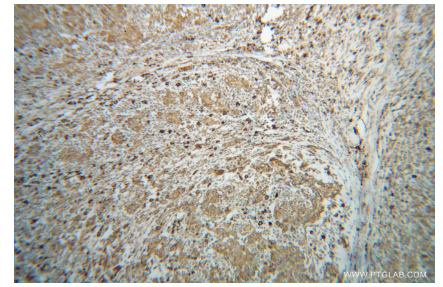
## Ausgewählte Validierungsdaten



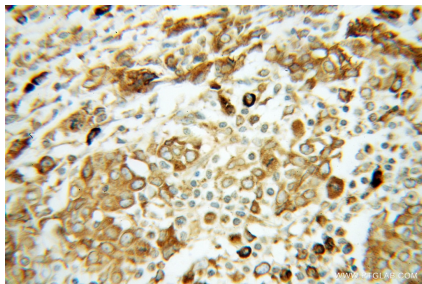
Various lysates were subjected to SDS PAGE followed by western blot with 14700-1-AP (GRP94 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



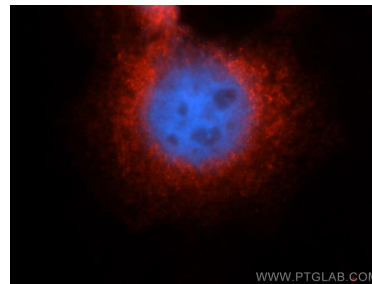
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GRP94 antibody (14700-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



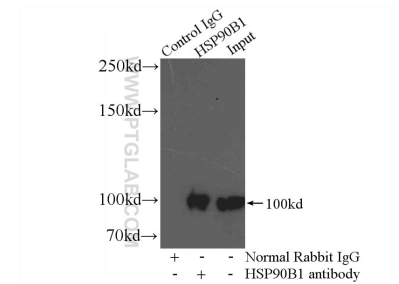
Immunohistochemical analysis of paraffin-embedded human breast cancer using 14700-1-AP (HSP90B1 antibody) at dilution of 1:100 (under 10x lens).



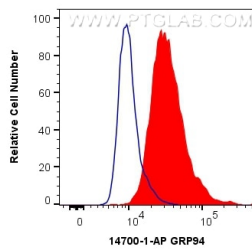
Immunohistochemical analysis of paraffin-embedded human breast cancer using 14700-1-AP (HSP90B1 antibody) at dilution of 1:100 (under 40x lens).



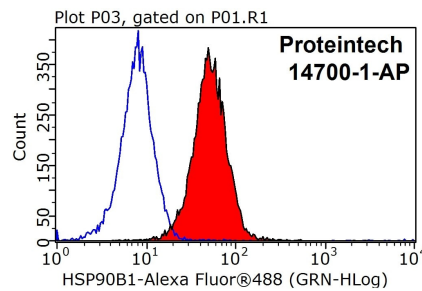
Immunofluorescent analysis of A431 cells, using HSP90B1 antibody 14700-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



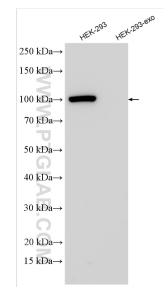
IP Result of anti-GRP94 (IP:14700-1-AP, 3ug; Detection:14700-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



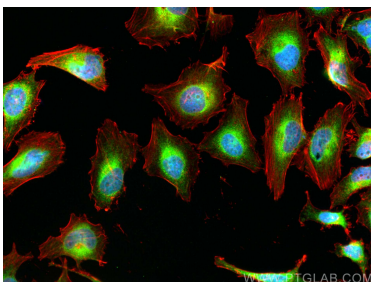
1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human GRP94 (14700-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10<sup>6</sup> HEK-293T cells were stained with .2ug GRP94 antibody (14700-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



HEK-293 cells and HEK-293-derived exosomes (HEK-293-exo) were subjected to SDS PAGE followed by western blot with 14700-1-AP (GRP94 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GRP94 antibody (14700-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).