

### Anti-Hsp90 antibody [EPR16621-67] ab203126

リコンビナント **RabMAb**

**13 References**    画像数 13

#### 製品の概要

製品名	Anti-Hsp90 antibody [EPR16621-67]
製品の詳細	Rabbit monoclonal [EPR16621-67] to Hsp90
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), ICC/IF, IP, IHC-P, WB
種交差性	<b>交差種:</b> Mouse, Rat, Human, Recombinant fragment
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Hsp90 alpha recombinant protein fragment (GST-tag): aa533-732; Hsp90 beta recombinant protein fragment (His-Tag®): aa525-724 ; Human fetal brain, fetal heart and fetal kidney lysates; Mouse and rat brain, heart and kidney lysates; HeLa, HEK-293, K562, Jurkat, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates. IHC-P: Human testis, Human lung cancer, mouse cerebral cortex and rat testis tissues. ICC/IF: HeLa and NIH/3T3 cells. Flow Cyt (intra): Jurkat cells. IP: HeLa whole cell lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol</p>
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR16621-67
アイソタイプ	IgG

## アプリケーション

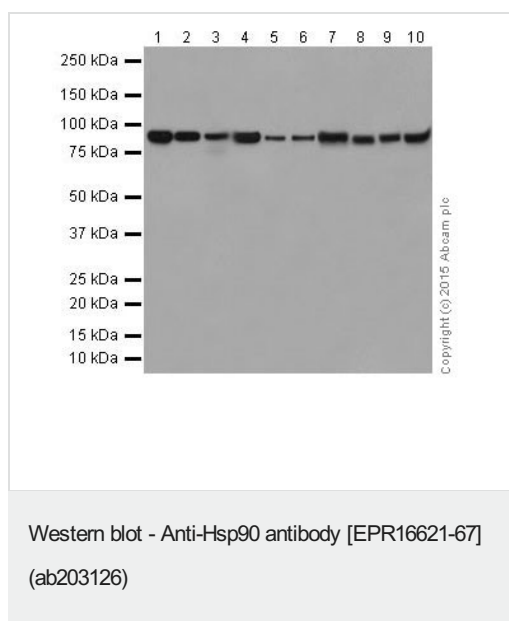
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab203126の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/350.
ICC/IF		1/200. Methanol fixed cells.
IP		1/100.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000. Detects a band of approximately 90 kDa (predicted molecular weight: 85, 83 kDa).

## ターゲット情報

機能	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.
配列類似性	Belongs to the heat shock protein 90 family.
ドメイン	The TPR repeat-binding motif mediates interaction with TPR repeat-containing proteins like the co-chaperone STUB1.
翻訳後修飾	ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.
細胞内局在	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## 画像



**All lanes :** Anti-Hsp90 antibody [EPR16621-67] (ab203126) at 1/10000 dilution

**Lane 1 :** Mouse brain lysate

**Lane 2 :** Mouse heart lysate

**Lane 3 :** Mouse kidney lysate

**Lane 4 :** Rat brain lysate

**Lane 5 :** Rat heart lysate

**Lane 6 :** Rat kidney lysate

**Lane 7 :** C6 (Rat glial tumor cells) whole cell lysate

**Lane 8 :** RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

**Lane 9 :** PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

**Lane 10 :** NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

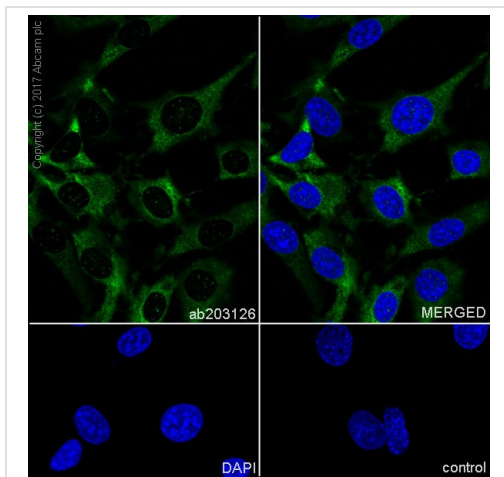
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 85, 83 kDa

**Observed band size:** 90 kDa

**Exposure time:** 3 seconds

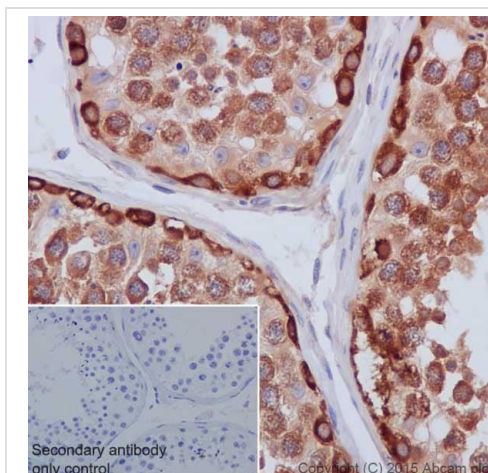
Blocking/Dilution buffer: 5% NFDm/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

Immunocytochemistry/Immunofluorescence analysis of 100% methanol-fixed NIH/3T3 (Mouse embryonic fibroblast) cells labeling Hsp90 alpha + beta with ab203126 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasm staining on HeLa cell line. The nuclear counter stain is DAPI (blue).

Control - PBS instead of primary antibody.

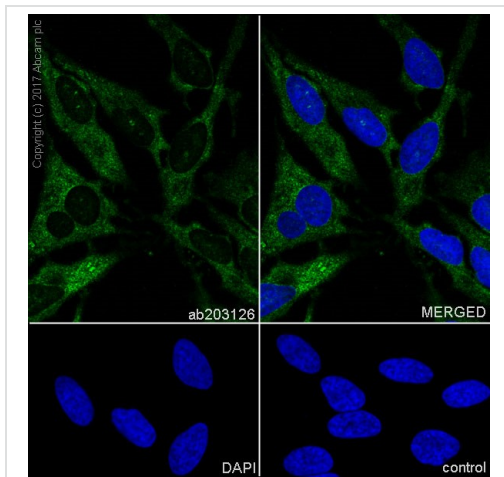


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling Hsp90 alpha + beta with ab203126 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasm and weak nucleus staining on germ cells of Human testis is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

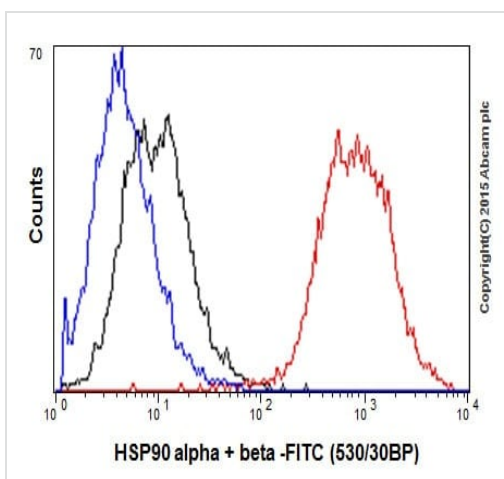
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

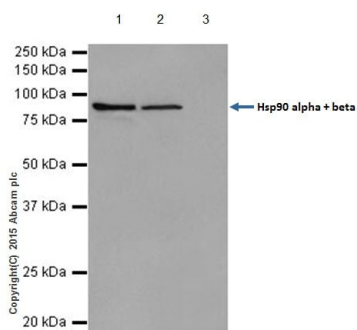
Immunocytochemistry/Immunofluorescence analysis of 100% methanol-fixed HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling Hsp90 alpha + beta with ab203126 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasm staining on HeLa cell line. The nuclear counter stain is DAPI (blue).

Control - PBS instead of primary antibody.



Flow Cytometry (Intracellular) - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling Hsp90 alpha + beta with ab203126 at 1/350 dilution (red) compared with a rabbit monoclonal IgG isotype control ([ab172730](#); black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-Hsp90 antibody  
[EPR16621-67] (ab203126)

Hsp90 alpha + beta was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab203126 at 1/100 dilution. Western blot was performed from the immunoprecipitate using ab203126 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

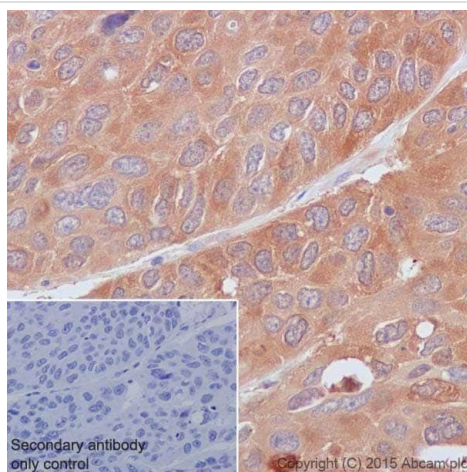
Lane 1: HeLa whole cell lysate 10 µg (Input).

Lane 2: ab203126 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab203126 in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 seconds.

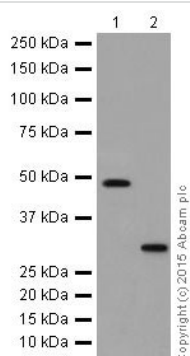


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 antibody  
[EPR16621-67] (ab203126)

Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue labeling Hsp90 alpha + beta with ab203126 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasm and weak nucleus staining on tumor cells of Human lung cancer is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Hsp90 antibody [EPR16621-67]  
(ab203126)

**All lanes** : Anti-Hsp90 antibody [EPR16621-67] (ab203126) at 1/10000 dilution

**Lane 1** : Hsp90 alpha recombinant protein fragment (GST-tag): aa533-732

**Lane 2** : Hsp90 beta recombinant protein fragment (His-Tag®): aa525-724

Lysates/proteins at 0.01 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/1000 dilution

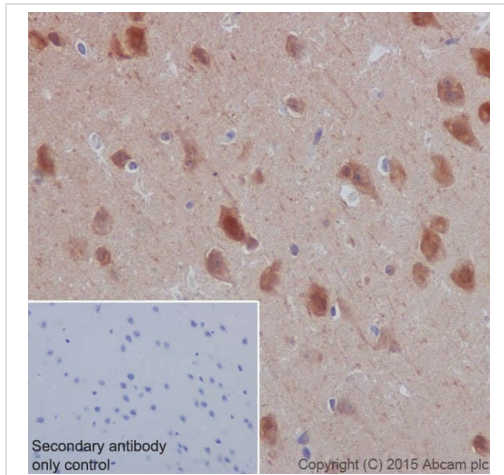


**Predicted band size:** 85, 83 kDa

**Exposure time:** 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Human Hsp90 alpha and Hsp90 beta recombinant protein fragments were made in house.

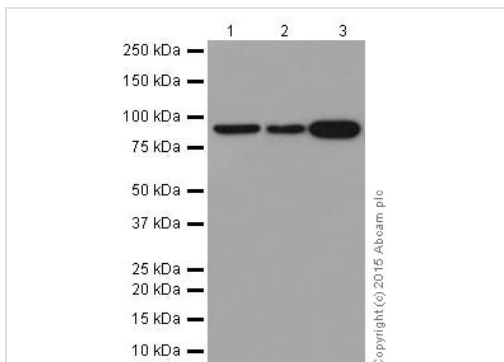


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

Immunohistochemical analysis of paraffin-embedded Mouse cerebral cortex tissue labeling Hsp90 alpha + beta with ab203126 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Cytoplasm and nucleus staining on neuron of mouse cerebral cortex is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

**All lanes :** Anti-Hsp90 antibody [EPR16621-67] (ab203126) at 1/10000 dilution

**Lane 1 :** Human fetal brain lysate

**Lane 2 :** Human fetal heart lysate

**Lane 3 :** Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

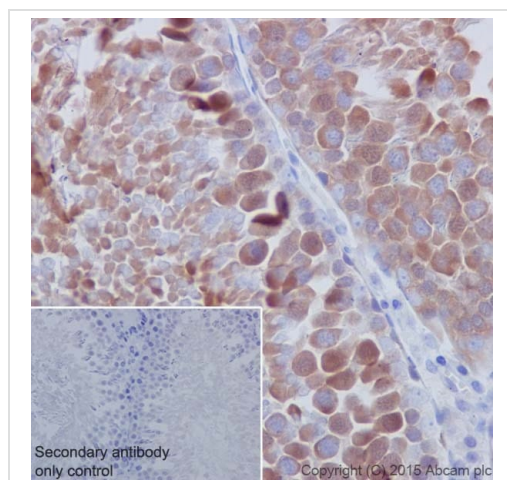
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 85, 83 kDa

**Observed band size:** 90 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

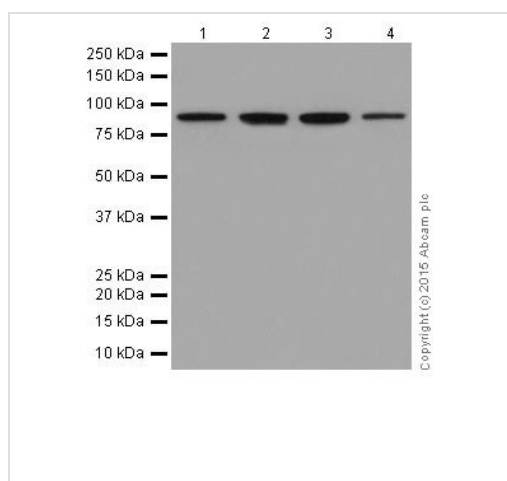


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

Immunohistochemical analysis of paraffin-embedded rat testis tissue labeling Hsp90 alpha + beta with ab203126 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasm and weak nucleus staining on germ cells of rat testis is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Hsp90 antibody [EPR16621-67] (ab203126)

**Lanes 1 & 3-4** : Anti-Hsp90 antibody [EPR16621-67] (ab203126) at 1/100000 dilution

**Lane 2** : Anti-Hsp90 antibody [EPR16621-67] (ab203126) at 1/10000 dilution

**Lane 1** : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

**Lane 2** : HEK-293 (Human epithelial cells from embryonic kidney) whole cell lysate

**Lane 3** : K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell lysate

**Lane 4** : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/1000 dilution

**Predicted band size:** 85, 83 kDa





**Observed band size:** 90 kDa



**Exposure time:** 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Hsp90 antibody [EPR16621-67] (ab203126)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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