

# Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free ab247912

リコンビナント RabMAb

画像数 9

### 製品の概要

製品名	Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR4576] to Hsp105/HSP110 - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, IP, WB, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab247912 is the carrier-free version of <a href="#">ab109624</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> 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. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EPR4576
アイソタイプ	IgG

## アプリケーション

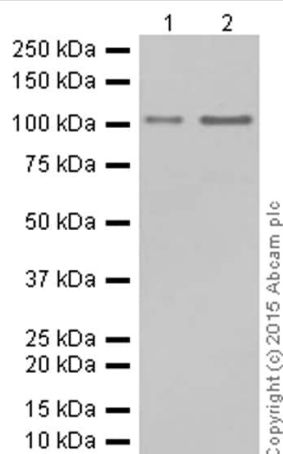
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab247912の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 97 kDa.
ICC/IF		Use at an assay dependent concentration.

## ターゲット情報

機能	Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities.
組織特異性	Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.
配列類似性	Belongs to the heat shock protein 70 family.
翻訳後修飾	Phosphorylation on Ser-509 may be important for regulation of the HSPA8/HSC70 chaperone activity.
細胞内局在	Cytoplasm.

## 画像



Western blot - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

**All lanes** : Anti-Hsp105/HSP110 antibody [EPR4576] ([ab109624](#)) at 1/5000 dilution (purified)

**Lane 1** : HeLa whole cell lysate

**Lane 2** : HepG2 whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

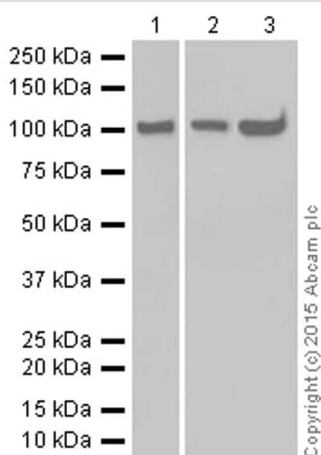
**All lanes** : HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 97 kDa

**Observed band size:** 105 kDa

This data was developed using [ab109624](#), the same antibody clone in a different buffer formulation.

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



Western blot - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

**All lanes** : Anti-Hsp105/HSP110 antibody [EPR4576] ([ab109624](#)) at 1/5000 dilution (purified)

**Lane 1** : C6 whole cell lysate

**Lane 2** : PC-12 whole cell lysate

**Lane 3** : NIH/3T3 whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

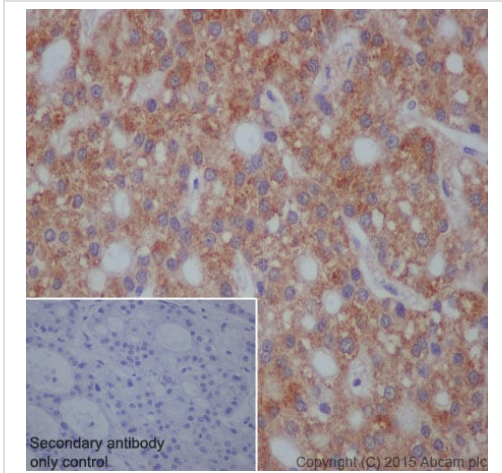
**All lanes** : HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 97 kDa

**Observed band size:** 105 kDa

This data was developed using [ab109624](#), the same antibody clone in a different buffer formulation.

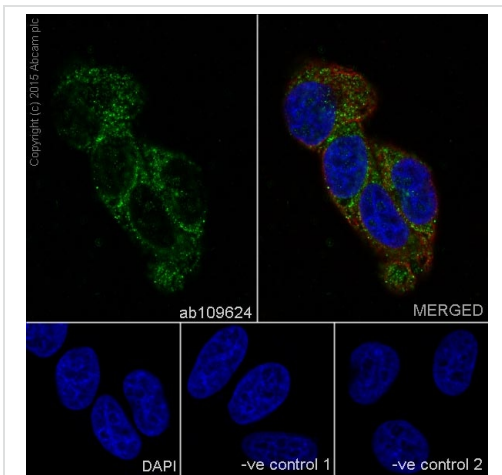
**Blocking and dilution buffer:** 5% NFD/MTBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

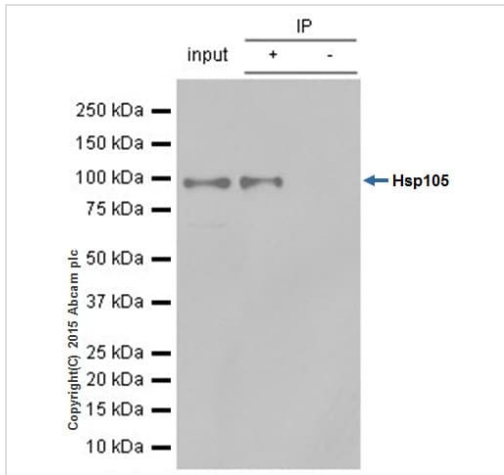
This data was developed using **ab109624**, the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver carcinoma tissue labelling Hsp105/HSP110 with purified **ab109624** at a dilution of 1/500. Heat mediated antigen retrieval was performed using EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

This data was developed using **ab109624**, the same antibody clone in a different buffer formulation. Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Hsp105/HSP110 with purified **ab109624** at a dilution of 1/250. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/1000) were also used. Control 1: primary antibody (1/250) and secondary antibody, **ab150120**, an Alexa Fluor<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/1000). Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/1000).



Immunoprecipitation - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

This data was developed using [ab109624](#)

44; the same antibody clone in a different buffer formulation. [ab109624](#) (purified) at 1/40 immunoprecipitating Hsp105/HSP110 in NIH/3T3 whole cell lysate.

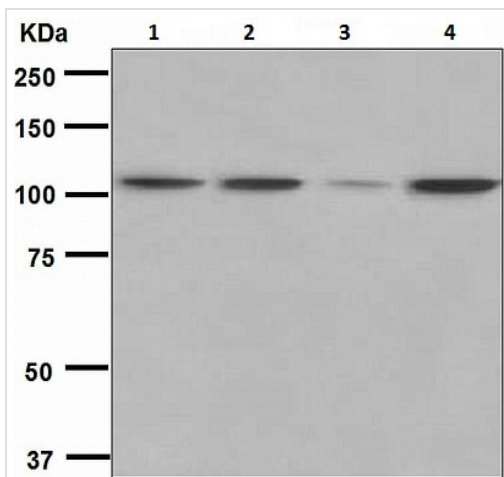
Lane 1 (input): NIH/3T3 whole cell lysate (10µg)

Lane 2 (+): [ab109624](#) + NIH/3T3 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of [ab109624](#) in NIH/3T3 whole cell lysate.

For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution.

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



Western blot - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

**All lanes :** Anti-Hsp105/HSP110 antibody [EPR4576] ([ab109624](#)) at 1/1000 dilution (unpurified)

**Lane 1 :** HeLa cell lysate

**Lane 2 :** HepG2 cell lysate

**Lane 3 :** Human cerebellum lysate

**Lane 4 :** MCF-7 cell lysate

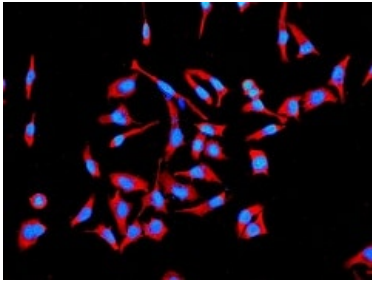
Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

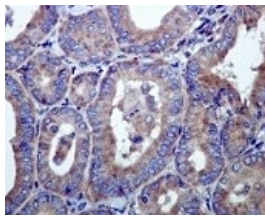
**Predicted band size:** 97 kDa

This data was developed using [ab109624](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

This data was developed using **ab109624**, the same antibody clone in a different buffer formulation. Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Hsp105/HSP110 with unpurified **ab109624** at a dilution of 1/100.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

This data was developed using **ab109624**, the same antibody clone in a different buffer formulation. Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid gland carcinoma tissue labelling Hsp105/HSP110 with unpurified **ab109624** at a dilution of 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

### Why choose a recombinant antibody?

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

Anti-Hsp105/HSP110 antibody [EPR4576] - BSA and Azide free (ab247912)

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

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