

# Anti-Galectin 7 antibody [EPR19903] ab206435

**重组 RabMAb**

**2 References**   **13 图像**

### 概述

产品名称	Anti-Galectin 7抗体[EPR19903]
描述	兔单克隆抗体[EPR19903] to Galectin 7
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), IHC-Fr, WB, IHC-P, IP, ICC/IF
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human, mouse and rat skin lysates; HaCaT whole cell lysate. IHC-P: Human skin and squamous carcinoma of the cervix tissues; mouse and rat skin tissues. IHC-Fr: Rat skin tissue. ICC/IF: HaCaT cells. Flow Cyt (intra): HaCaT cells. IP: Human skin lysate.
常规说明	<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>

### 性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19903

同种型

IgG

## 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab206435于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/600.
IHC-Fr		1/500.
WB		1/1000. Detects a band of approximately 14 kDa (predicted molecular weight: 15 kDa).
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. ( <a href="#">ab93684</a> )
IP		1/40.
ICC/IF		1/500.

## 靶标

### 功能

Could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. Pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release.

### 组织特异性

Mainly expressed in stratified squamous epithelium.

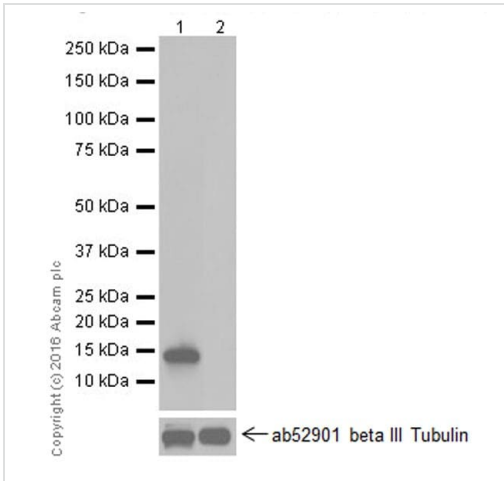
### 序列相似性

Contains 1 galectin domain.

### 细胞定位

Cytoplasm. Nucleus. Secreted. May be secreted by a non-classical secretory pathway.

## 图片



Western blot - Anti-Galectin 7 antibody [EPR19903] (ab206435)

**All lanes :** Anti-Galectin 7 antibody [EPR19903] (ab206435) at 1/2000 dilution

**Lane 1 :** Human skin lysate

**Lane 2 :** Human skeletal muscle lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/100000 dilution

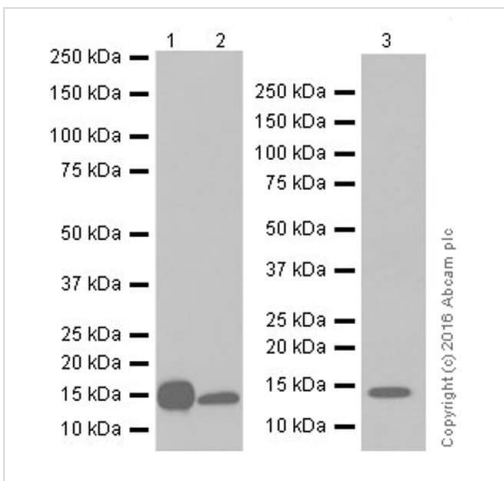
**Predicted band size:** 15 kDa

**Observed band size:** 14 kDa

**Exposure time:** 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Galectin 7 is specifically expressed in stratified squamous epithelium, but not in non-epithelial organs such as skeletal muscle. PMID: 9697310; PMID: 7729568.



Western blot - Anti-Galectin 7 antibody [EPR19903] (ab206435)

**Lanes 1-2 :** Anti-Galectin 7 antibody [EPR19903] (ab206435) at 1/2000 dilution

**Lane 3 :** Anti-Galectin 7 antibody [EPR19903] (ab206435) at 1/1000 dilution

**Lane 1 :** Rat skin lysate

**Lane 2 :** Mouse skin lysate

**Lane 3 :** HaCaT (Human keratinocyte cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**Lanes 1-2 :** Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/100000 dilution

**Lane 3 :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

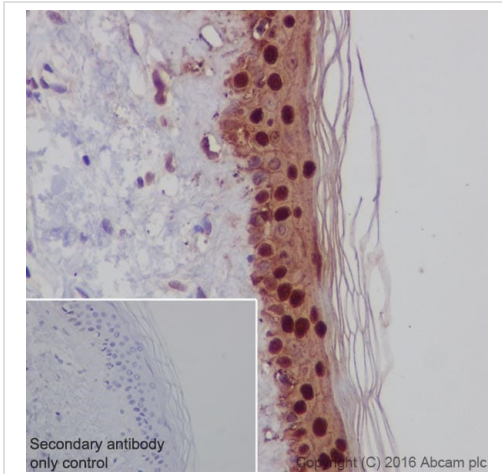
**Predicted band size:** 15 kDa

**Observed band size:** 14 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1/2: 30 seconds; Lane 3: 15 seconds.

Galectin 7 is specifically expressed in stratified squamous epithelium, but not in non-epithelial organs. PMID: 9697310; PMID: 7729568.

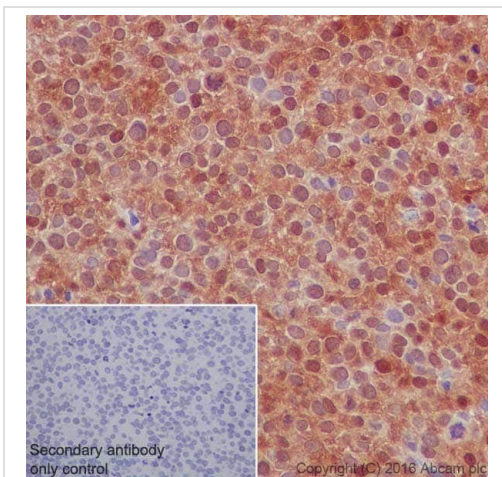


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded human skin tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on epithelium of human skin is observed (PMID: 23658821). 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.

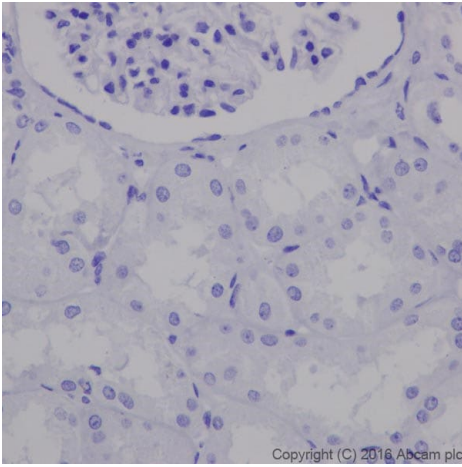


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded human squamous carcinoma of the cervix tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on tumor cells of squamous carcinoma of the cervix 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.



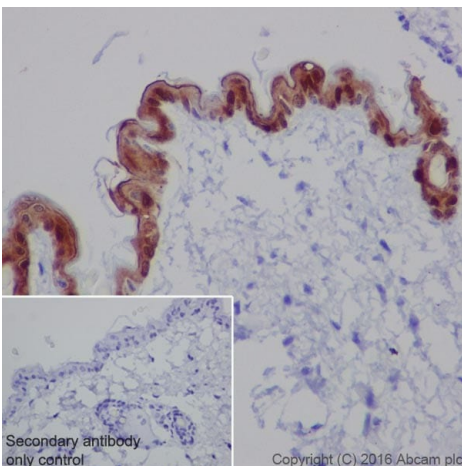
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

**Negative control:** No staining in human kidney (PMD: 9697310).

Counter stained with Hematoxylin.

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

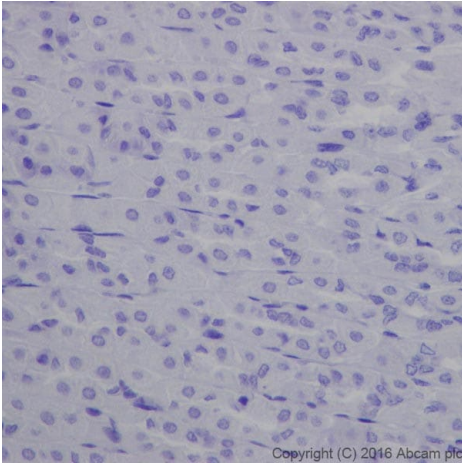


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded mouse skin tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on epithelium of mouse skin 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.



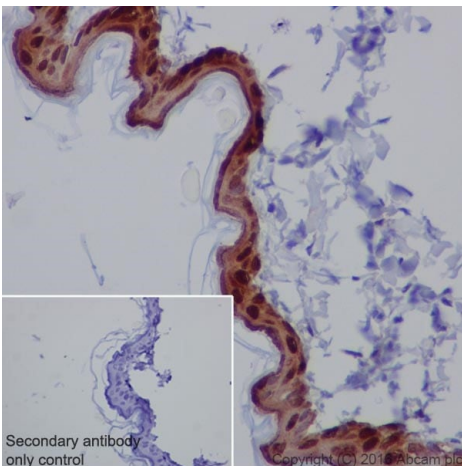
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

**Negative control:** No staining on mouse stomach (PMID: 9697310).

Counter stained with Hematoxylin.

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



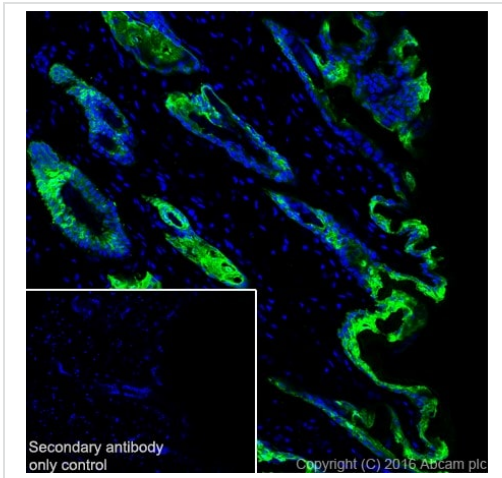
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of paraffin-embedded rat skin tissue labeling Galectin 7 with ab206435 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Positive staining on epithelium of rat skin 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.

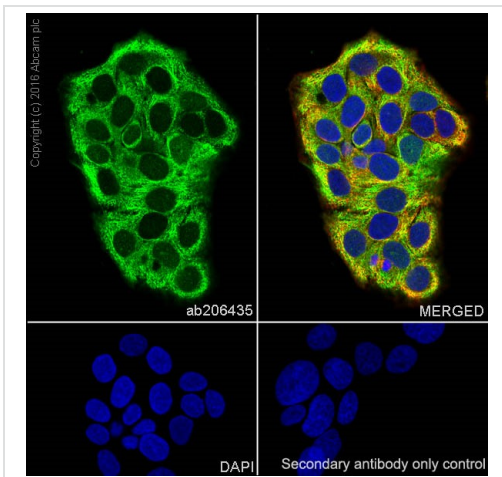




Immunohistochemistry (Frozen sections) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized rat skin tissue labeling Galectin 7 with ab206435 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Positive staining on epithelium of rat skin is observed. Nuclear counterstain: DAPI (Blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) (**ab150077**) secondary antibody at 1/1000 dilution.

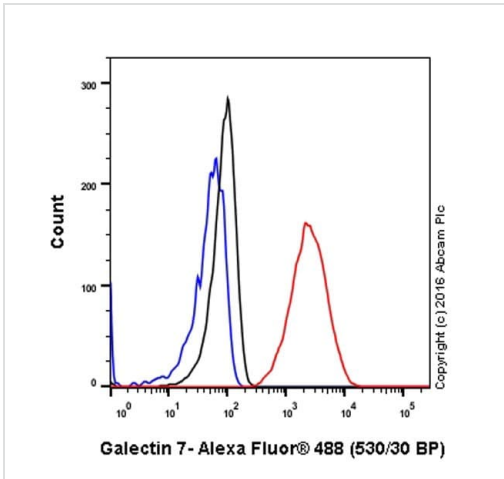


Immunocytochemistry/ Immunofluorescence - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HaCaT (Human keratinocyte cell line) cells labeling Galectin 7 with ab206435 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on HACAT cell line. The nuclear counterstain is DAPI (blue).

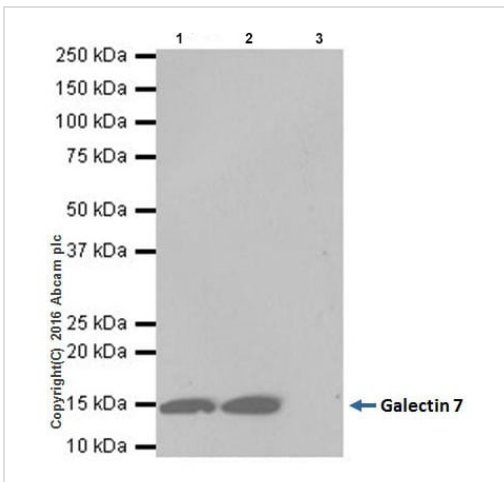
Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor<sup>®</sup> 594) (**ab195889**) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed HaCaT (Human keratinocyte cell line) cells labeling Galectin 7 with ab206435 at 1/600 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 (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-Galectin 7 antibody [EPR19903] (ab206435)

Galectin 7 was immunoprecipitated from 0.35 mg of human skin lysate with ab206435 at 1/40 dilution.

Western blot was performed from the immunoprecipitate using ab206435 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

Lane 1: Human skin lysate 10µg (Input).

Lane 2: ab206435 IP in human skin lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab206435 in human skin lysate.

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

Exposure time: 30 seconds.

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-Galectin 7 antibody [EPR19903] (ab206435)



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

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