

### Anti-PCSK9 antibody [EPR7627(2)] ab181142

**重组** RabMAb

**16 References** [7 图像](#)

#### 概述

产品名称	Anti-PCSK9抗体[EPR7627(2)]
描述	兔单克隆抗体[EPR7627(2)] to PCSK9
宿主	Rabbit
经测试应用	<b>适用于:</b> IP, WB
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431, BxPC-3 and HepG2 whole cell lysate ( <b>ab7900</b> ) and Human fetal liver tissue lysate. IP: HepG2 whole cell lysate ( <b>ab7900</b> ).
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	<p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol, PBS, 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR7627(2)
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab181142于以下的经测试应用

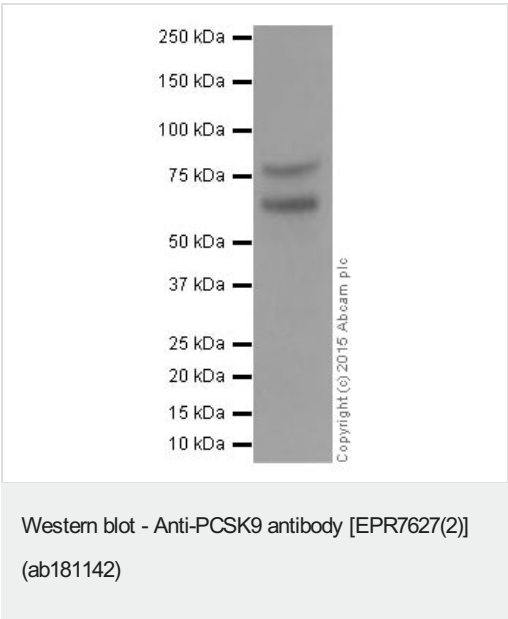
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		1/30 - 1/50.
WB		1/1000 - 1/10000. Detects a band of approximately 62, 78 kDa (predicted molecular weight: 74 kDa).

靶标

功能	May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.
组织特异性	Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.
疾病相关	Defects in PCSK9 are the cause of familial hypercholesterolemia 3 (FH3) [MIM:603776]. FH3 inheritance is autosomal dominant.
序列相似性	Belongs to the peptidase S8 family. Contains 1 peptidase S8 domain.
翻译后修饰	The soluble zymogen undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted enzyme.
细胞定位	Secreted.

图片

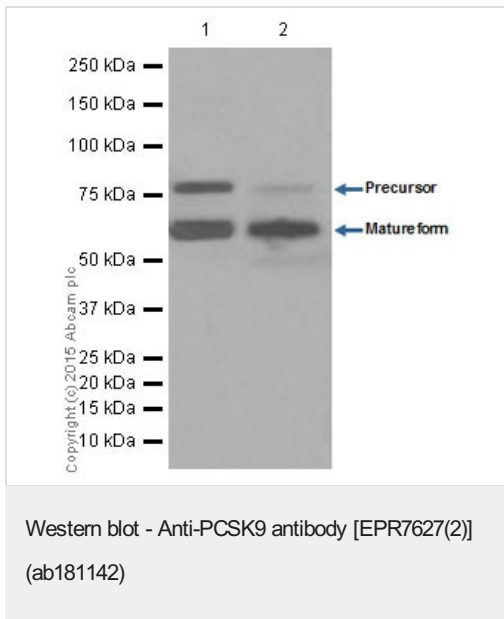


Anti-PCSK9 antibody [EPR7627(2)] (ab181142) at 1/5000 dilution (purified) + BxPC-3 whole cell lysate at 20 µg

**Secondary**  
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/5000 dilution

**Predicted band size:** 74 kDa  
**Observed band size:** 62,78 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



**All lanes :** Anti-PCSK9 antibody [EPR7627(2)] (ab181142) at 1/20000 dilution (purified)

**Lane 1 :** A431 whole cell lysate

**Lane 2 :** HepG2 whole cell lysate

Lysates/proteins at 10 µg per lane.

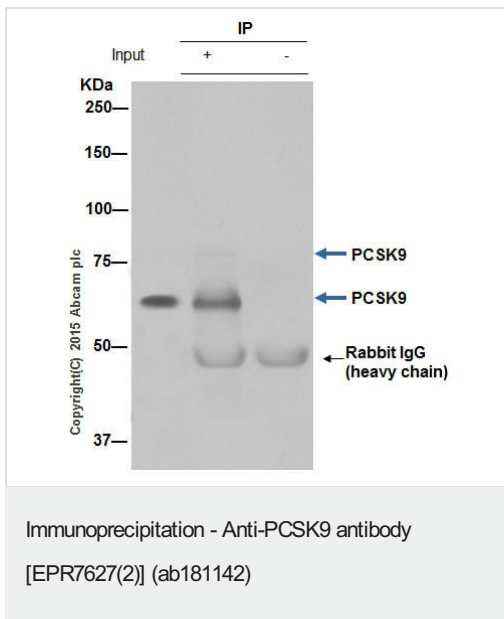
#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

**Predicted band size:** 74 kDa

**Observed band size:** 62,78 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



ab181142 (purified) at 1/50 immunoprecipitating PCSK9 in HepG2 whole cell lysate.

Lane 1 (input): HepG2 whole cell lysate (10µg)

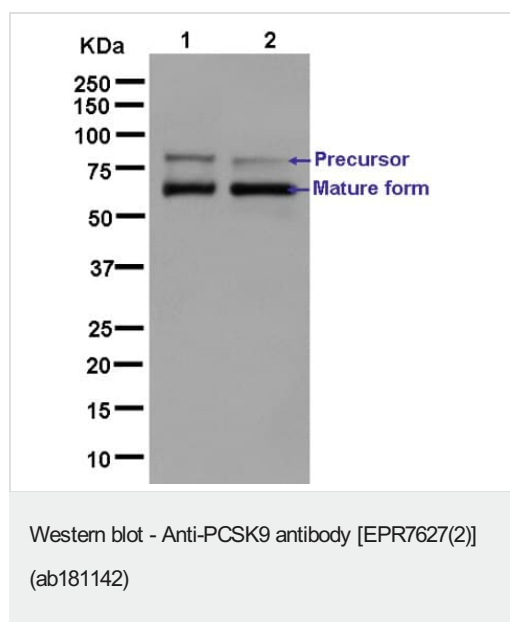
Lane 2 (+): ab181142 + HepG2 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab181142 in HepG2 whole cell lysate.

For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



**All lanes :** Anti-PCSK9 antibody [EPR7627(2)] (ab181142) at 1/10000 dilution (unpurified)

**Lane 1 :** A431 (Human epidermoid carcinoma cell line) cell lysate

**Lane 2 :** HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate

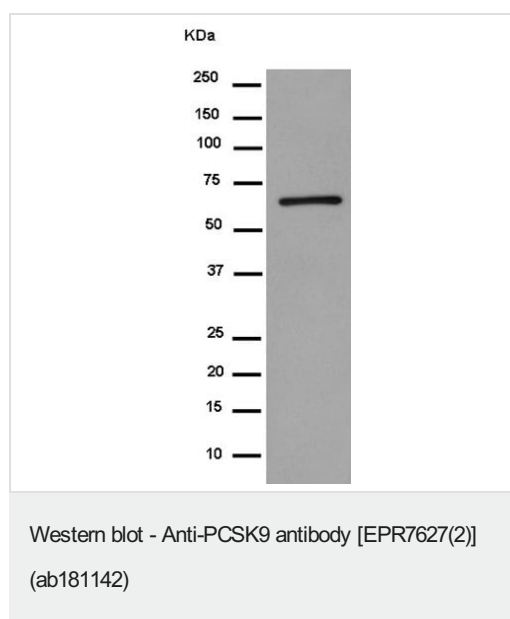
Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 74 kDa

**Observed band size:** 62,78 kDa



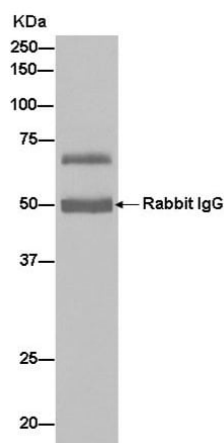
Anti-PCSK9 antibody [EPR7627(2)] (ab181142) at 1/2000 dilution (unpurified) + Human fetal liver lysate at 20 µg

#### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 74 kDa

**Observed band size:** 62 kDa



Western blot analysis of PCSK9 in HepG2 cell

lysate immunoprecipitated using unpurified ab181142 at a dilution of 1/50.

Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution.

Immunoprecipitation - Anti-PCSK9 antibody  
[EPR7627(2)] (ab181142)

Why choose a  
recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-PCSK9 antibody [EPR7627(2)] (ab181142)

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

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