

### Anti-SFRP1 antibody [EPR7003] ab126613

リコンビナント RabMAb

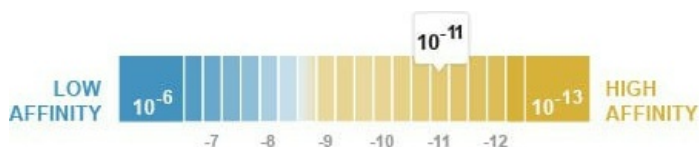
★★★★☆ 2 Abreviews 16 References 画像数 7

#### 製品の概要

製品名	Anti-SFRP1 antibody [EPR7003]
製品の詳細	Rabbit monoclonal [EPR7003] to SFRP1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Human heart, MDA-MB-435 and A375 lysates; Human heart muscle tissue.
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<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 3.01 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR7003
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ab126613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。

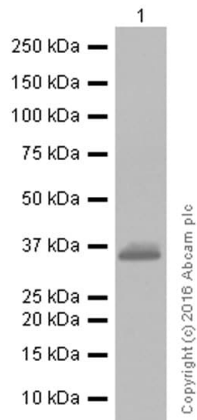
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 35 kDa.
IHC-P	★★★★★ (1)	1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

追加情報      Is unsuitable for Flow Cyt.

ターゲット情報

機能	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP1 decreases intracellular beta-catenin levels (By similarity). Has antiproliferative effects on vascular cells, in vitro and in vivo, and can induce, in vivo, an angiogenic response. In vascular cell cycle, delays the G1 phase and entry into the S phase (By similarity). In kidney development, inhibits tubule formation and bud growth in metanephroi (By similarity). Inhibits WNT1/WNT4-mediated TCF-dependent transcription.
組織特異性	Widely expressed. Absent from lung, liver and peripheral blood leukocytes. Highest levels in heart and fetal kidney. Also expressed in testis, ovary, fetal brain and lung, leiomyoma cells, myometrial cells and vascular smooth muscle cells. Expressed in foreskin fibroblasts and in keratinocytes.
配列類似性	Belongs to the secreted frizzled-related protein (sFRP) family. Contains 1 FZ (frizzled) domain. Contains 1 NTR domain.
ドメイン	The FZ domain is involved in binding with Wnt ligands.
細胞内局在	Secreted. Cell membrane or extracellular matrix-associated. Released by heparin-binding.

画像



Western blot - Anti-SFRP1 antibody [EPR7003]  
(ab126613)

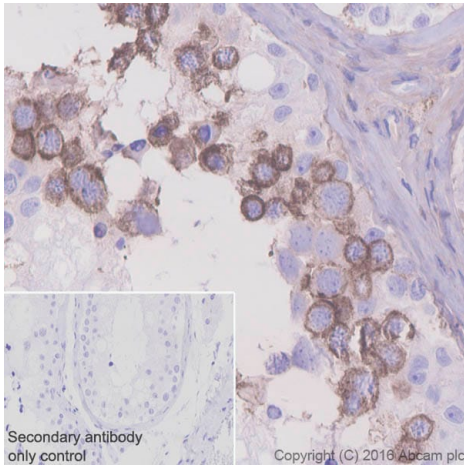
Anti-SFRP1 antibody [EPR7003] (ab126613) at 1/1000 dilution  
(purified) + MDA-MB-435S (Human mammary gland ductal  
carcinoma melanocyte) whole cell lysates at 15 µg

### Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at  
1/10000 dilution

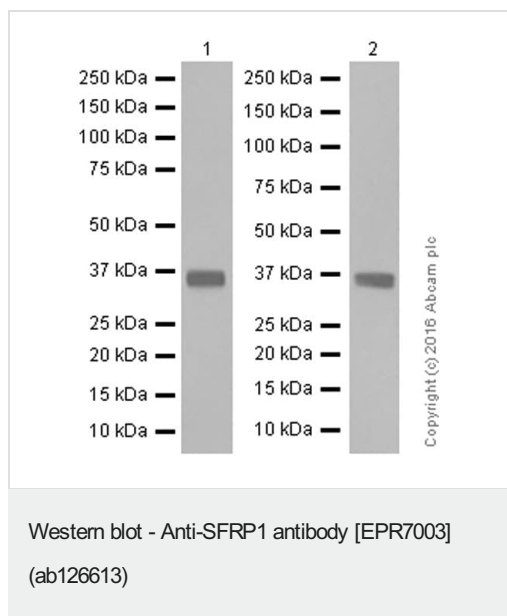
**Predicted band size:** 35 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-SFRP1 antibody  
[EPR7003] (ab126613)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded  
sections) analysis of Human testis tissue sections labeling SFRP1  
with Purified ab126613 at 1:50 dilution (8 µg/ml). Heat mediated  
antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer,  
pH 9.0). Tissue was counterstained with Hematoxylin.  
ImmunoHistoProbe one step HRP Polymer (ready to use)  
secondary antibody was used at 1:0 dilution. PBS instead of the  
primary antibody was used as the negative control.



**All lanes :** Anti-SFRP1 antibody [EPR7003] (ab126613) at 1/5000 dilution (purified)

**Lane 1 :** Human fetal kidney lysates

**Lane 2 :** Human fetal heart lysates

Lysates/proteins at 15 µg per lane.

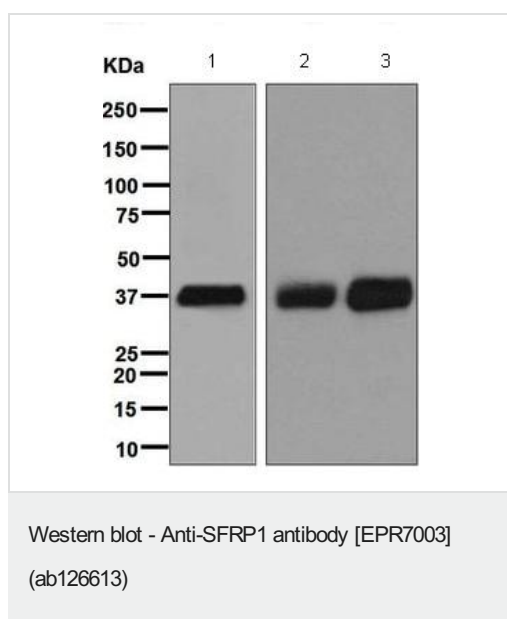
### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 36 kDa

Blocking and diluting buffer: 5% NFDM/TBST



**All lanes :** Anti-SFRP1 antibody [EPR7003] (ab126613) at 1/1000 dilution (unpurified)

**Lane 1 :** Human heart lysate

**Lane 2 :** MDA-MB-435 lysate

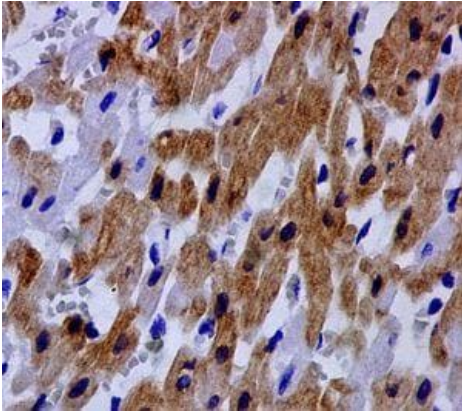
**Lane 3 :** A375 lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-rabbit HRP at 1/2000 dilution

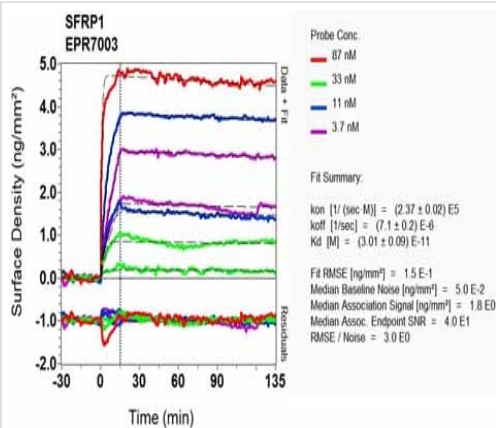
**Predicted band size:** 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SFRP1 antibody [EPR7003] (ab126613)

Unpurified ab126613, at 1/50 dilution, staining SFRP1 in Formalin-fixed, Paraffin-embedded Human heart muscle tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Ox-LD Scanning - Anti-SFRP1 antibody [EPR7003] (ab126613)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### 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-SFRP1 antibody [EPR7003] (ab126613)

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

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