

Anti-SFRP1 antibody [EPR23092-253] ab267466

リコンビナント **RabMAb**

2 References [画像数 7](#)

製品の概要

製品名	Anti-SFRP1 antibody [EPR23092-253]
製品の詳細	Rabbit monoclonal [EPR23092-253] to SFRP1
由来種	Rabbit
アプリケーション	適用あり: WB, Flow Cyt (Intra), IP 適用なし: ICC/IF or IHC-P
種交差性	交差種: Mouse, Rat, Human
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: Recombinant human sFRP-1 protein. Human breast, kidney and heart tissue lysate. SK-MEL-28 whole cell lysate. Mouse and rat kidney tissue lysate. NIH/3T3 whole cell lysate. Flow Cyt (intra): BFA treated SK-MEL-28 cells. IP: Human and mouse kidney tissue lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 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	EPR23092-253

アイソタイプ

lgG

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ab267466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		1/1000. Predicted molecular weight: 35 kDa.
Flow Cyt (Intra)		1/500.
IP		1/30.

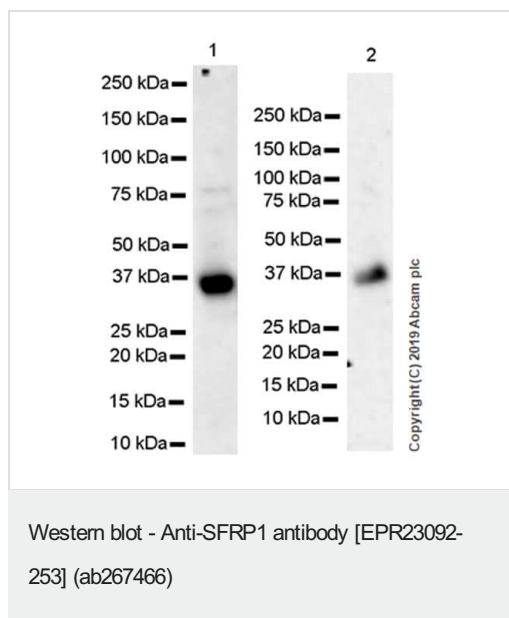
追加情報

Is unsuitable for ICC/IF or IHC-P.

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, leiomyomal 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



All lanes : Anti-SFRP1 antibody [EPR23092-253] (ab267466) at 1/1000 dilution

Lane 1 : Rat kidney lysate at 20 µg

Lane 2 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate at 10 µg

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

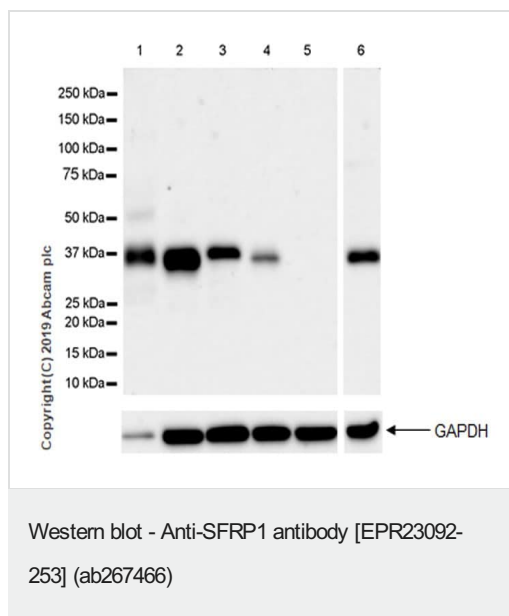
Predicted band size: 35 kDa

Observed band size: 35 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 22927647, 11741940).

Exposure time: 92 seconds.



All lanes : Anti-SFRP1 antibody [EPR23092-253] (ab267466) at 1/1000 dilution

Lane 1 : Human breast lysate

Lane 2 : Human kidney lysate

Lane 3 : Human heart lysate

Lane 4 : SK-MEL-28 (human malignant melanoma) whole cell lysate

Lane 5 : MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysate

Lane 6 : Mouse kidney lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 35 kDa

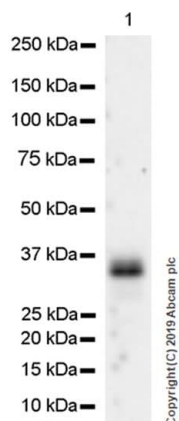
Observed band size: 35 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 22927647, 11741940).

Negative control: MCF7 (PMID:15289865).

Exposure time: 92 seconds.



Western blot - Anti-SFRP1 antibody [EPR23092-253] (ab267466)

Anti-SFRP1 antibody [EPR23092-253] (ab267466) at 1/5000 dilution + Recombinant human sFRP-1 protein, 20 ng

Secondary

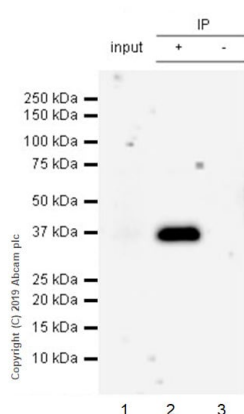
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: 114 seconds.



Immunoprecipitation - Anti-SFRP1 antibody [EPR23092-253] (ab267466)

SFRP1 was immunoprecipitated from 0.35 mg mouse kidney lysate with ab267466 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab267466 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

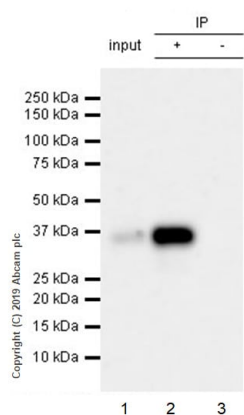
Lane 1: Mouse kidney lysate 10µg

Lane 2: ab267466 IP in mouse kidney lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab267466 in mouse kidney lysate

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

Exposure time: 3 mins.



Immunoprecipitation - Anti-SFRP1 antibody [EPR23092-253] (ab267466)

SFRP1 was immunoprecipitated from 0.35 mg human kidney lysate with ab267466 at 1/30 dilution (2µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab267466 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

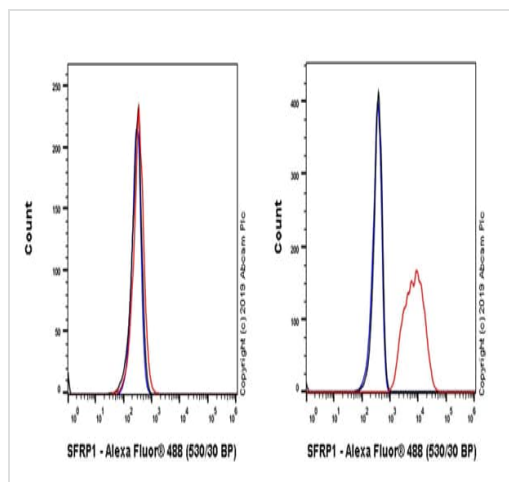
Lane 1: Human kidney lysate 10µg

Lane 2: ab267466 IP in human kidney lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab267466 in human kidney lysate

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

Exposure time: 30 seconds.







Flow Cytometry (Intracellular) - Anti-SFRP1 antibody
[EPR23092-253] (ab267466)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized MCF7 (Human breast adenocarcinoma epithelial cell, Left) treated with 5 µg/ml BFA for 2h / SK-MEL-28 (Human malignant melanoma, Right) treated with 5 µg/ml BFA for 2h labeling SFRP1 with ab267466 at 1/500 (Red) compared with a Rabbit monoclonal IgG (**ab172730**) / Black isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 was used as the secondary antibody.

Negative control: MCF7 (PMID: 14968126).

Why choose a recombinant antibody?

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

Anti-SFRP1 antibody [EPR23092-253] (ab267466)

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