



Rabbit Anti-SFRP4 antibody

SL1331R

Product Name:	SFRP4
Chinese Name:	子宫内膜抗体
Alias:	sFRP-4; Secreted frizzled-related protein 4; Frizzled protein, human endometrium; FrpHE; SFRP4; SFRP4_MOUSE; SFRP4_HUMAN; FRPHE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	38kDa
Cellular localization:	cytoplasmicSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human sFRP-4:151-260/351
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. SFRP4 may act as a regulator of adult uterine morphology and function. Increases apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake. [SUBCELLULAR LOCATION]

Secreted. Expressed in mesenchymal cells. Highly expressed in the stroma of proliferative endometrium. Expressed in cardiomyocytes. Belongs to the secreted frizzled-related protein (sFRP) family.

Function:

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. SFRP4 may act as a regulator of adult uterine morphology and function. Increases apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling. Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake (By similarity).

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed the ovary. Localized to granulosa cells of periovulatory follicles and corpora lutea. Weakly expressed in adult tissues including kidney, brain and lung.

Similarity:

Belongs to the secreted frizzled-related protein (sFRP) family.
Contains 1 FZ (frizzled) domain.
Contains 1 NTR domain.

SWISS:

Q6FHJ7

Gene ID:

6424

Database links:

[Entrez Gene: 6424](#)Human

[Entrez Gene: 20379](#)Mouse

[Entrez Gene: 89803](#)Rat

[Omim: 606570](#)Human

[SwissProt: Q6FHJ7](#)Human

[SwissProt: Q9Z1N6](#)Mouse

[SwissProt: Q9JLS4](#)Rat

[Unigene: 658169](#)Human

[Unigene: 42095](#)Mouse

[Unigene: 10788Rat](#)

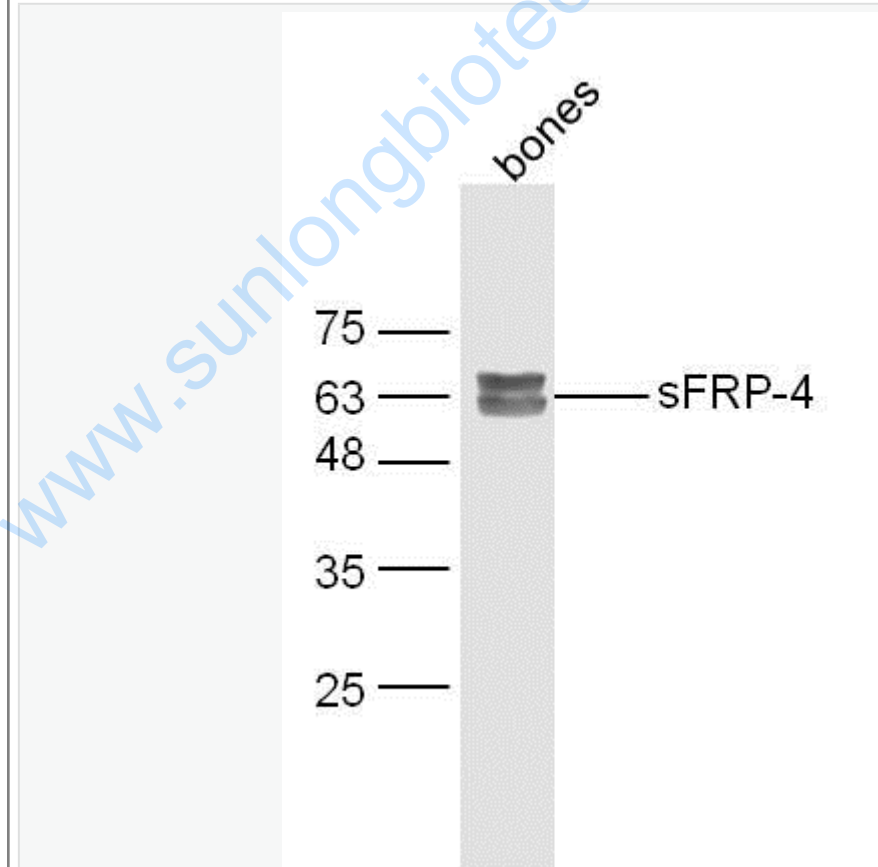
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

抗子宫内膜抗体属于自身抗体, 在正常育龄妇女中也可以检测到, 但在不孕症人群中, 特别是患有子宫内膜异位症的妇女中更多见。

正常机体具有自身免疫调节功能, 产生极弱的自身抗体, 帮助清除体内衰老变性的自身成分, 但由于某种原因导致免疫系统对自身组织产生过度免疫应答, 则会发生过强的一系列免疫反应, 致使所侵及的组织免疫活性细胞增多, 免疫复合物沉积, 而导致功能改变。当这种抗子宫内膜抗体由于反复刺激而大量产生达到一定的含量时, 可与自身的子宫内膜组织发生抗原抗体结合反应, 并激活免疫系统引起损伤性效应, 造成子宫内膜组织细胞生化代谢及生理功能的损害, 干扰和妨碍精卵结合, 受精卵的着床和胚囊的发育而导致不孕或流产。

Picture:



Sample:

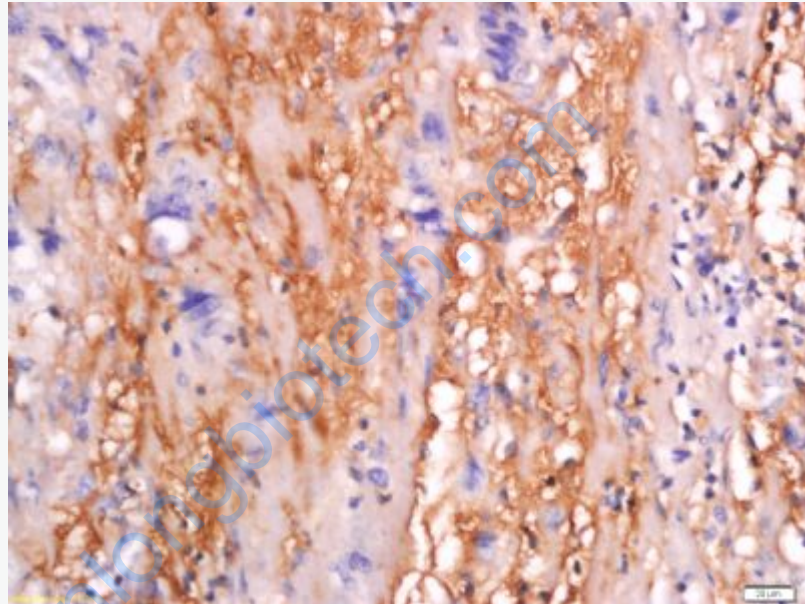
Bone (Mouse) Lysate at 40 ug

Primary: Anti-SFRP4 (SL1331R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 38 kD

Observed band size: 60 kD



Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-sFRP-4 Polyclonal Antibody, Unconjugated(SL1331R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining