

Datasheet for ABIN3044543  
**anti-SFRP4 antibody (AA 22-303)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	SFRP4
Binding Specificity:	AA 22-303
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SFRP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Secreted frizzled-related protein 4(SFRP4) detection. Tested with WB, IHC-P, ELISA in Human.
Immunogen:	E. coli-derived human SFRP4 recombinant protein (Position: A22-K303). Human SFRP4 shares 96.8% and 96.1% amino acid (aa) sequence identity with mouse and rat SFRP4, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Secreted frizzled-related protein 4(SFRP4) detection. Tested with WB, IHC-P, ELISA in Human.</p> <p>Gene Name: secreted frizzled-related protein 4</p> <p>Protein Name: Secreted frizzled-related protein 4</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	SFRP4
Alternative Name:	SFRP4 ( <a href="#">SFRP4 Products</a> )
Background:	<p>Secreted frizzled-related protein 4 (SFRP4) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. It is mapped to 7p14.1. The expression of SFRP4 in ventricular myocardium correlates with apoptosis related gene expression. And SFRP4 is a hub gene in a Type 2 Diabetes-associated gene coexpression module in human islets, and reduces glucose-induced insulin secretion through decreased <math>\beta</math>-cell exocytosis.</p> <p>Synonyms: Frizzled protein antibody Frizzled protein human endometrium antibody FRP 4 antibody FRP4 antibody Fr pH E antibody human endometrium antibody Secreted frizzled-related protein 4 antibody sFRP-4 antibody Sfrp4 antibody SFRP4_HUMAN antibody</p>
Gene ID:	6424
Pathways:	<a href="#">WNT Signaling</a>

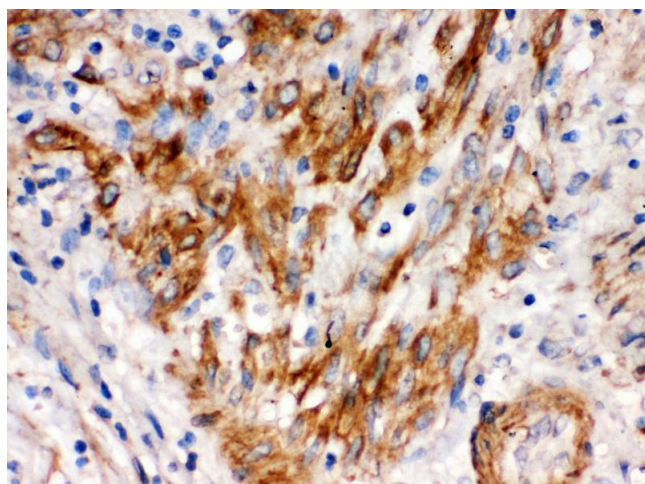
## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 <math>\mu</math>g/mL, Tested Species: Human</p> <p>IHC-P: Concentration: 0.5-1 <math>\mu</math>g/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>ELISA: Concentration: 0.1-0.5 <math>\mu</math>g/mL, Tested Species: Human</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 $\mu$ g/mL

## Handling

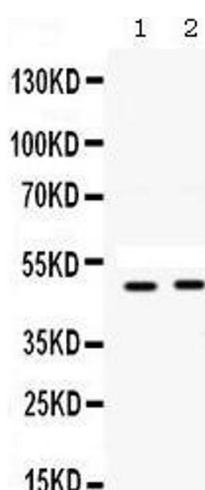
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** SFRP4 was detected in paraffin-embedded sections of human endometrial carcinoma tissues using rabbit anti SFRP4 Antigen Affinity purified polyclonal antibody at 1 µg/mL. The immunohistochemical section was developed using SABC method



### Western Blotting

**Image 2.** Western blot analysis of SFRP4 expression in A549 whole cell lysates (lane 1) and SW620 whole cell lysates (lane 2). SFRP4 at 49KD was detected using rabbit anti- SFRP4 Antigen Affinity purified polyclonal antibody at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method