

Datasheet for ABIN3043334
anti-SFRP4 antibody (AA 140-346)



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1 Image

Overview

Quantity:	100 µg
Target:	SFRP4
Binding Specificity:	AA 140-346
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SFRP4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-SFRP4 Antibody Picoband®
Immunogen:	E.coli-derived human SFRP4 recombinant protein (Position: E140-V346). Human SFRP4 shares 90% and 90.3% amino acid (aa) sequence identity with mouse and rat SFRP4, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SFRP4 Antibody (ABIN3043334). Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SFRP4
Alternative Name:	SFRP4 (SFRP4 Products)
Background:	Synonyms: Secreted frizzled-related protein 4,sFRP-4,Frizzled protein, human endometrium,Fr pH E,SFRP4,FRPHE, Tissue Specificity: Expressed in mesenchymal cells. Highly expressed in the stroma of proliferative endometrium. Expressed in cardiomyocytes. Shows moderate to strong expression in ovarian tumors with expression increasing as the tumor stage increases. In ovarian tumors, expression levels are inversely correlated with expression of CTNNB1 (at protein level). . Background: 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 β-cell exocytosis. Sequence Similarities: Belongs to the secreted frizzled-related protein (sFRP) family.
Molecular Weight:	40 kDa
Gene ID:	6424
Pathways:	WNT Signaling

Application Details

Application Notes:	Western blot, 0.1-0.5 μg/mL, Human, Rat 1. "Entrez Gene: SFRP4 secreted frizzled-related protein 4". 2. Horvath LG, Lelliott JE, Kench JG et al. (2007). "Secreted frizzled-related protein 4 inhibits proliferation and metastatic potential in prostate cancer.". Prostate 67 (10): 1081-90.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

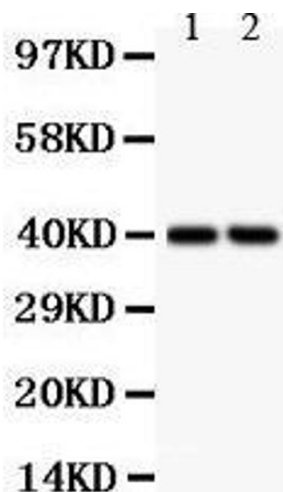
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
Concentration:	500 μ g/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 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:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Anti- SFRP4 Picoband antibody, Western blotting
All lanes: Anti SFRP4 at 0.5ug/ml Lane 1: Rat Cardiac Muscle Tissue Lysate at 50ug Lane 2: SKOV Whole Cell Lysate at 40ug Predicted bind size: 40KD Observed bind size: 40KD