

# Polyclonal Anti-SFRP4 Antibody

Catalog Number: RP1067

## Description

<b>Gene Name</b>	secreted frizzled-related protein 4
<b>Recommended Protein Name</b>	Secreted frizzled-related protein 4
<b>Lot No.</b>	0101512Da296747
<b>Size</b>	100µg/vial
<b>Form</b>	lyophilized
<b>Ig type</b>	Rabbit IgG
<b>Specificity</b>	No cross reactivity with other proteins.
<b>Purification</b>	Immunogen affinity purified.
<b>Species</b>	<b>Reacts with:</b> human, rat
<b>Immunogen</b>	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.
<b>Contents</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .

## Application

	Concentration	Tested Species	Antigen Retrieval
Western blot	0.1-0.5µg/ml	Hu, Rat	-

**WB: The detection limit for SFRP4 is approximately 0.1ng/lane under reducing conditions.**

**Tested Species:** In-house tested species with positive results.

*Other applications have not been tested.*

*Optimal dilutions should be determined by end users.*

## Preparation and storage

**Reconstitution:** 0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage:** 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.

## Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB.

## 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  $\beta$ -cell exocytosis.

## Reference

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.