

Product Name: SFRP1 (1U15) Rabbit Monoclonal Antibody
Catalog #: AMRe17792

Summary

Production Name	SFRP1 (1U15) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,FC,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	SFRP1 Frizzled related protein 1; FRP1; FrzA; SARP2; Secreted apoptosis related protein 2;
Alternative Names	Secreted frizzled related protein 1; SFRP1;
Gene ID	6422.0
SwissProt ID	Q8N474. Recombinant protein of human SFRP1

Application

Dilution Ratio	WB 1:1000, FCM 1:200-1:500, IP 1:20-1:50
Molecular Weight	35kDa

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Background

SFRP proteins appear to act as tumor suppressors, with loss of expression or function correlating with many invasive forms of cancer. Deletion of the corresponding SFRP1 gene and promoter hypermethylation leading to gene silencing has been reported in a number of cancers. Abnormal expression of SFRP1 and other Wnt signaling proteins is associated with some cases of retinitis pigmentosa. 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.

Research Area

Image Data



Western blot analysis of extracts from Mouse kidney tissue using RM5233 at 1:1000.

Note

For research use only.