Datasheet for ABIN652980

anti-SFRP1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	SFRP1
Binding Specificity:	AA 26-55, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SFRP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This SFRP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human SFRP1.
Clone:	RB21557
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SFRP1
Alternative Name:	SFRP1 (SFRP1 Products)

Target Details

Background:	SFRP1 encodes a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. Members of this family act as soluble modulators of Wnt signaling, epigenetic silencing of SFRP genes leads to deregulated activation of the Wnt-pathway which is associated with cancer.
Molecular Weight:	35386
Gene ID:	6422
NCBI Accession:	NP_003003
UniProt:	Q8N474
Pathways:	WNT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Negative Regulation of Hormone Secretion, Regulation of Intracellular Steroid Hormone Receptor Signaling, Stem Cell Maintenance, Tube Formation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Zang, Zhang, Gao, Huang: "Ophiopogonin D inhibits cell proliferation, causes cell cycle arrest at G2/M, and induces apoptosis in human breast carcinoma MCF-7 cells." in: **Journal of**

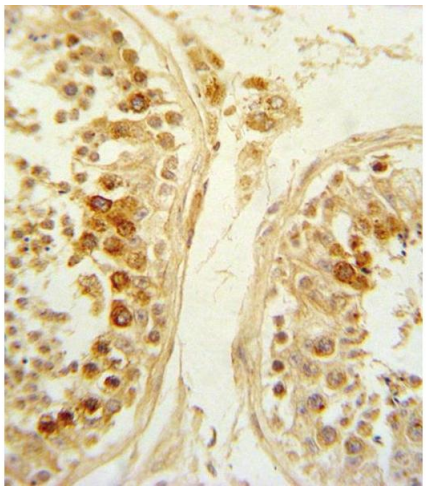
Publications

integrative medicine, Vol. 14, Issue 1, pp. 51-9, (2016) (PubMed).

Chang, Lei, Qin, Zeng, Zhang, Jin, Wang, Wang, Su: "Expression and prognostic value of SFRP1 and β-catenin in patients with glioblastoma." in: **Oncology letters**, Vol. 11, Issue 1, pp. 69-74, (2016) (PubMed).

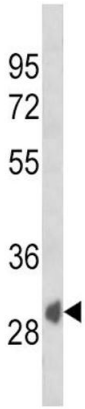
Zhou, Chen, Mashrah, Zhu, Liu, Yang, He, Wang, Xiang, Yao, Guo, Yang, Zhang: "Deregulation of secreted frizzled-related proteins is associated with aberrant β-catenin activation in the carcinogenesis of oral submucous fibrosis." in: **OncoTargets and therapy**, Vol. 8, pp. 2923-31, (2015) (PubMed).

Images



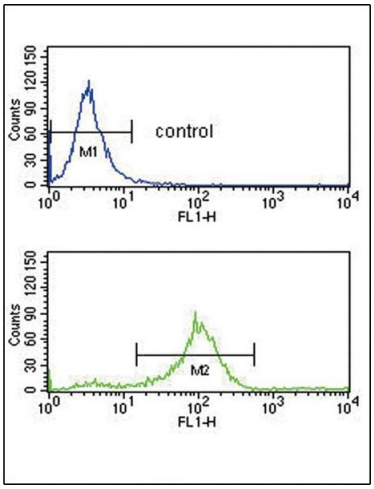
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human testis tissue reacted with SFRP1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of SFRP1 Antibody (N-term) (ABIN652980 and ABIN2842622) in K562 cell line lysates (35 µg/lane). SFRP1 (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. SFRP1 Antibody (N-term) (ABIN652980 and ABIN2842622) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.