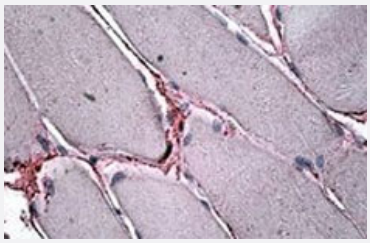
SFRP4 polyclonal antibody

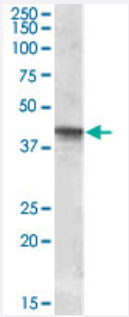
Catalog # PAB15663 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

SFRP4 polyclonal antibody (Cat # PAB15663) (3.8 ug/mL) staining of paraffin embedded human skeletal muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot (Tissue lysate)

SFRP4 polyclonal antibody (Cat # PAB15663) (0.3 ug/mL) staining of human uterus lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised aganist synthetic peptide of SFRP4.
Immunogen	A synthetic peptide corresponding to internal region of human SFRP4.
Sequence	TNSSCQCPHILPHQD
Host	Goat
Theoretical MW (kDa)	39.8
Reactivity	Human

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Specificity	Approximately 40 KDa band observed in human uterus lysates (calculated MW of 39.8 KDa according to NP_003005.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  SFRP4 polyclonal antibody (Cat # PAB15663) (3.8 ug/mL) staining of paraffin embedded human skeletal muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  SFRP4 polyclonal antibody (Cat # PAB15663) (0.3 ug/mL) staining of human uterus lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — SFRP4

Entrez GeneID	6424
Protein Accession#	NP_003005.2
Gene Name	SFRP4
Gene Alias	FRP-4, FRPHE, MGC26498
Gene Description	secreted frizzled-related protein 4

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Omim ID	606570
Gene Ontology	Hyperlink
Gene Summary	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. SFRPs act as soluble modulators of Wnt signaling. The expression of SFRP4 in ventricular myocardium correlates with apoptosis related gene expression. [provided by RefSeq
Other Designations	secreted frizzled-related protein 4|secreted frizzled-related protein 4; secreted frizzled-related protein 4

Publication Reference

- SFRPs Are Biphasic Modulators of Wnt-Signaling-Elicited Cancer Stem Cell Properties beyond Extracellular Control.

  Liang CJ, Wang ZW, Chang YW, Lee KC, Lin WH, Lee JL.

  Cell Reports 2019 Aug; 28(6):1511.

  Application: WB, Human, H1299, H322, H358, H460, HM20 cells

- Dnmt3b promotes tumorigenesis in vivo by gene-specific de novo methylation and transcriptional silencing.

  Linhart HG, Lin H, Yamada Y, Moran E, Steine EJ, Gokhale S, Lo G, Cantu E, Ehrich M, He T, Meissner A, Jaenisch R.

  Genes & Development 2007 Dec; 21(23):3110.

Pathway

- Wnt signaling pathway

Disease

- Carcinoma
- Colorectal Neoplasms
- Genetic Predisposition to Disease
- Kidney Neoplasms
- Osteoporosis

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