

**SFRP4 Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS14246****Specification**

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**SFRP4 Antibody (Internal) - Product Information**

Application	WB
Primary Accession	<a href="#">Q6FHJ7</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	40kDa KDa

**SFRP4 Antibody (Internal) - Additional Information****Gene ID** 6424**Other Names**

Secreted frizzled-related protein 4, sFRP-4, Frizzled protein, human endometrium, FrpHE, SFRP4, FRPHE

**Target/Specificity**

Human SFRP4.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

SFRP4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**SFRP4 Antibody (Internal) - Protein Information****Name** SFRP4**Synonyms** FRPHE**Function**

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 (By similarity). SFRP4 plays a role in bone morphogenesis. May also act as a regulator of adult uterine morphology and function. May also increase apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (By similarity). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake (PubMed:<a href="http://www.uniprot.org/citations/12952927" target="\_blank">12952927</a>).

**Cellular Location**

Secreted. Note=Cytoplasmic in ovarian tumor cells

#### **Tissue Location**

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).

#### **SFRP4 Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **SFRP4 Antibody (Internal) - Images**



SFRP4 antibody (0.3 ug/ml) staining of human uterus lysate (35 ug protein/ml in RIPA buffer).

#### **SFRP4 Antibody (Internal) - Background**

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. SFRP4 may act as a regulator of adult uterine morphology and function. Increases apoptosis during ovulation possibly through modulation of FZ1/FZ4/WNT4 signaling (By similarity). Has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake.

#### **SFRP4 Antibody (Internal) - References**

Abu-Jawdeh G.M.,et al.Lab. Invest. 79:439-447(1999).  
Berndt T.,et al.J. Clin. Invest. 112:785-794(2003).  
Drake J.M.,et al.Submitted (FEB-2006) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.