

SFRP4 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14479c**Specification**

SFRP4 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q6FHJ7](#)**SFRP4 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6424**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SFRP4 Antibody (Center) Blocking Peptide - 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:12952927).

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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SFRP4 Antibody (Center) Blocking Peptide - Images

SFRP4 Antibody (Center) Blocking Peptide - 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. SFRPs act as soluble modulators of Wnt signaling. The expression of SFRP4 in ventricular myocardium correlates with apoptosis related gene expression.

SFRP4 Antibody (Center) Blocking Peptide - References

Lee, D.Y., et al. Menopause 17(5):1064-1070(2010) Kohn, H., et al. Oncol. Rep. 24(2):423-431(2010) Frank, B., et al. Carcinogenesis 31(8):1381-1386(2010) Huang, D., et al. J. Cancer Res. Clin. Oncol. 136(3):395-401(2010) Hirata, H., et al. Cancer 115(19):4488-4503(2009)